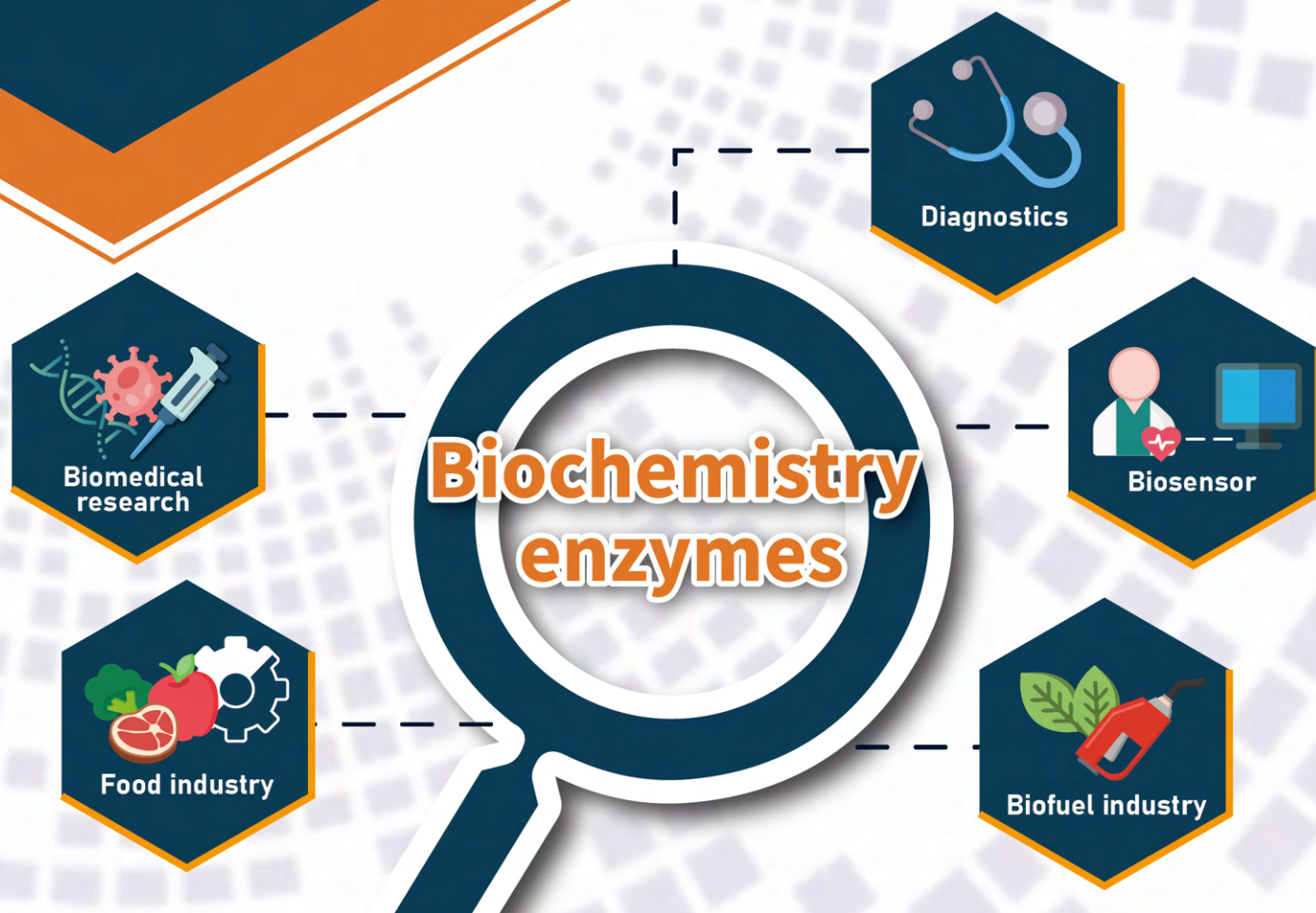


Empowering Metabolic Research Across Industries



**High Performance, Stability,
and Versatility in Leadgene's Enzymes**

★ **Lipid metabolism**

- Glycerol Dehydrogenase

★ **Ketone metabolism**

- 3-HBDH
- Diaphorase

Carbohydrate metabolism

- Glucose Dehydrogenase
- Lactate Oxidase

Cholesterol metabolism

- Cholesterol Oxidase
- Cholesterol Esterase

Fueling Discoveries with Premium Biochemistry Enzymes

★ Lipid metabolism

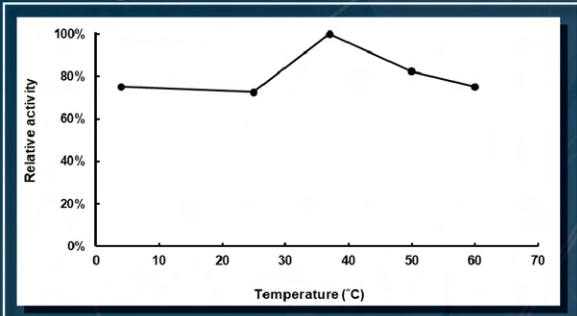
Glycerol Dehydrogenase (GlyDH)



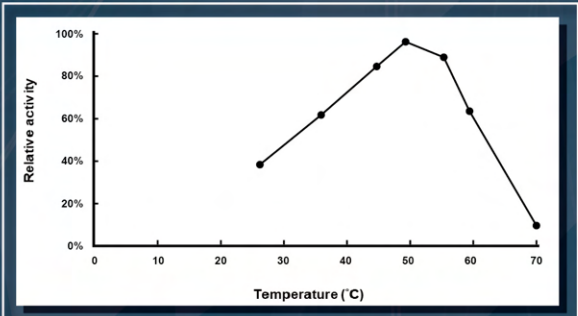
High activity (≥ 40 U/mg)
Retains ~60% activity at 60°C
Stable across a wide temperature range

Temperature Activity

★ Leadgene

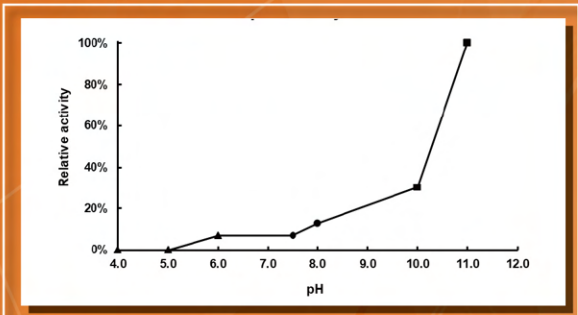


Other brands

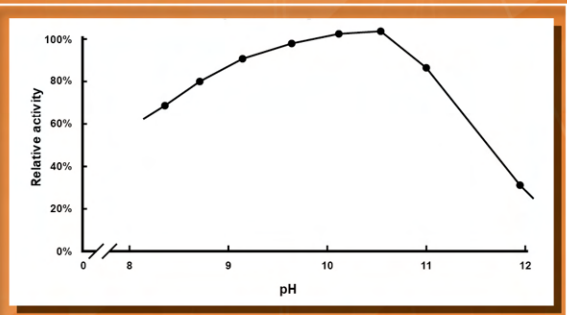


pH Activity

★ Leadgene

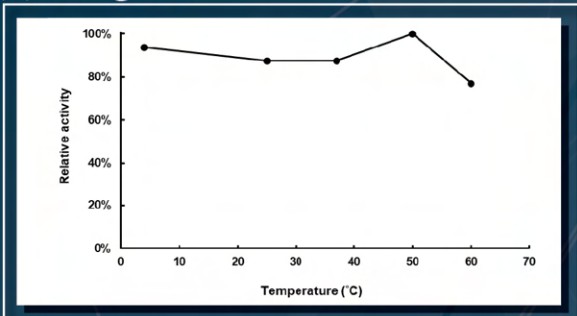


Other brands

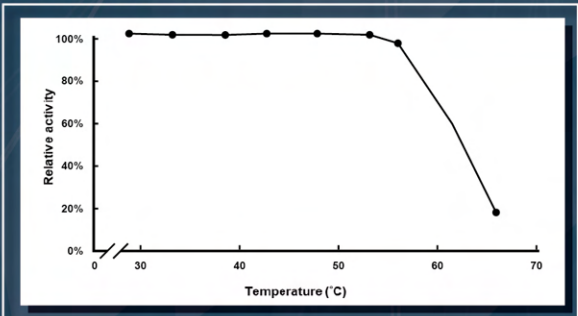


Thermo Stability

★ Leadgene

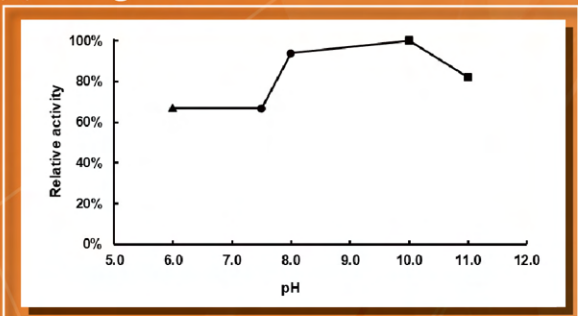


Other brands

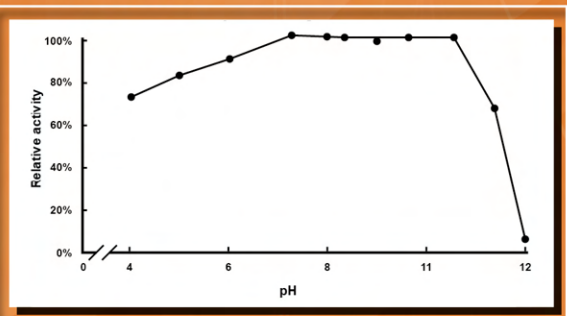


pH Stability

★ Leadgene



Other brands



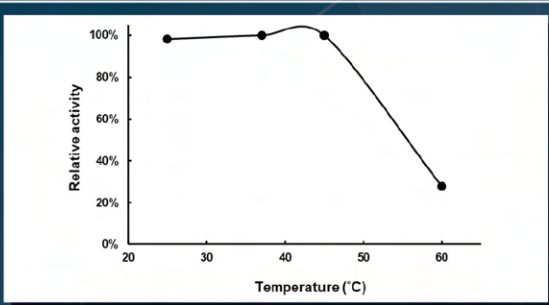
D-3-Hydroxybutyrate Dehydrogenase (3-HBDH)



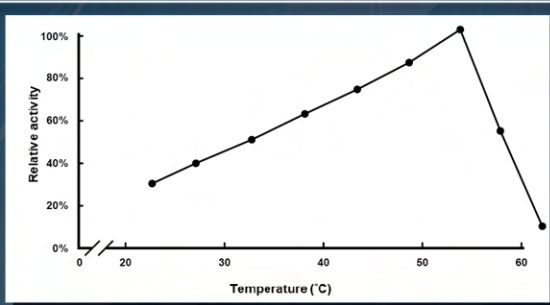
High activity (≥ 300 U/mg)
Retains over 60% activity at 50°C
Maintains >60% activity at pH 10.0 and 11.0

Temperature Activity

★ Leadgene

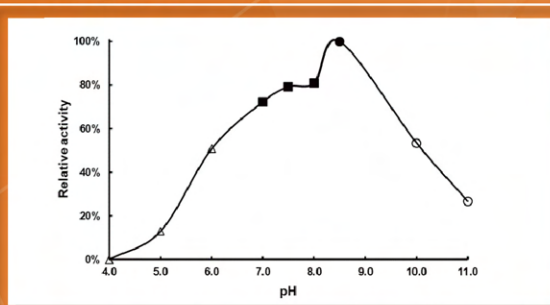


Other brands

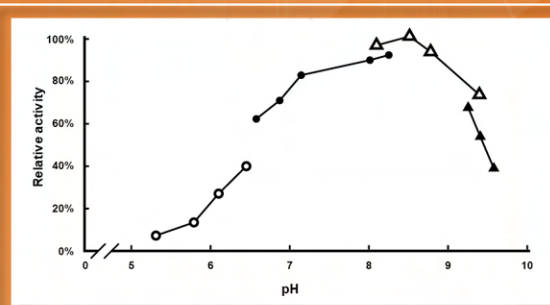


pH Activity

★ Leadgene

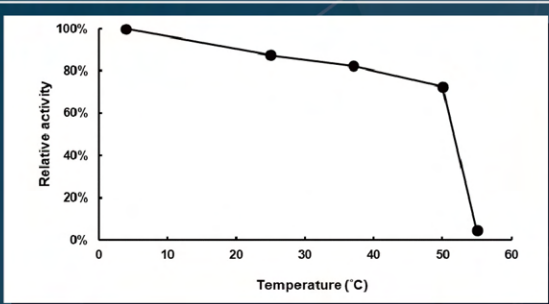


Other brands

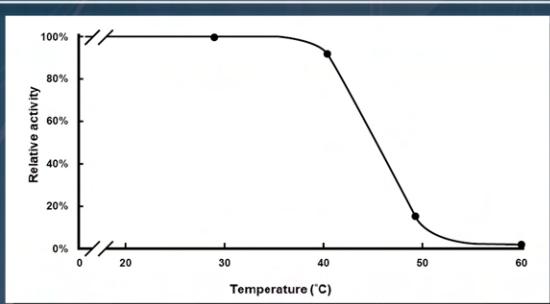


Thermo Stability

★ Leadgene

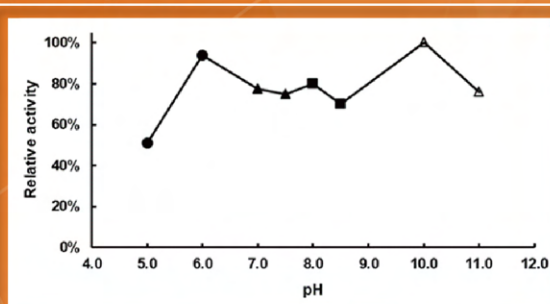


Other brands

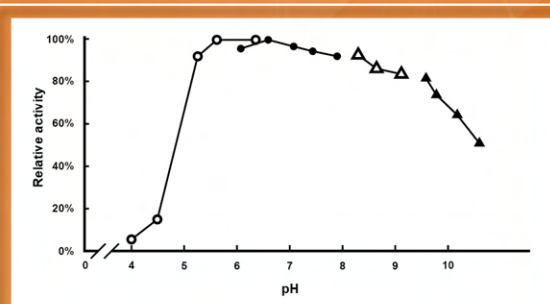


pH Stability

★ Leadgene



Other brands



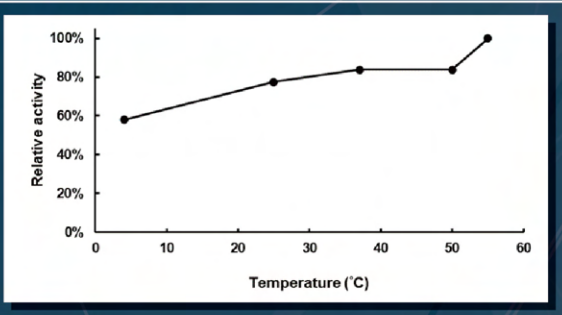
Diaphorase



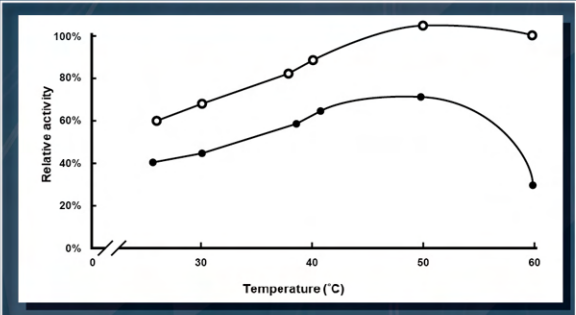
High activity (≥ 500 U/mg)
Stable across a wide temperature range
Retains >60% activity at 50°C
Retains 50% activity at 60°C

Temperature Activity

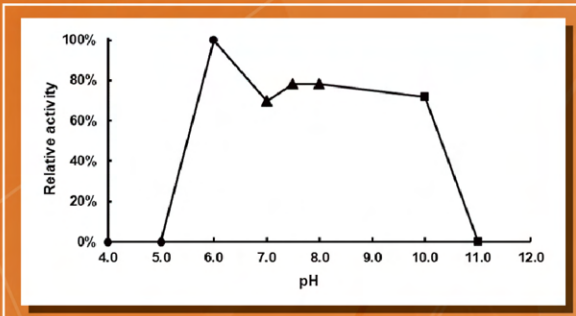
★ Leadgene



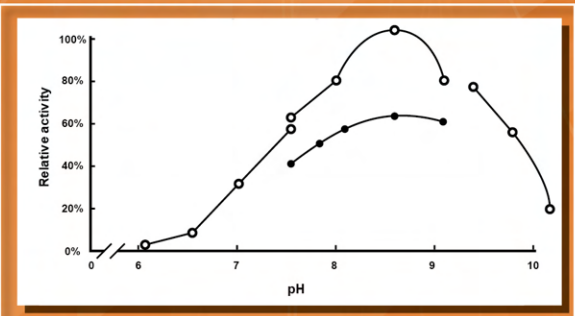
Other brands



★ Leadgene

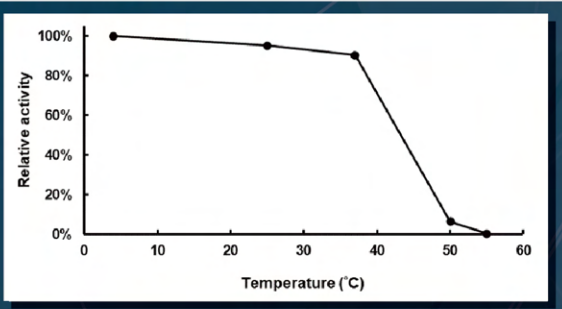


Other brands

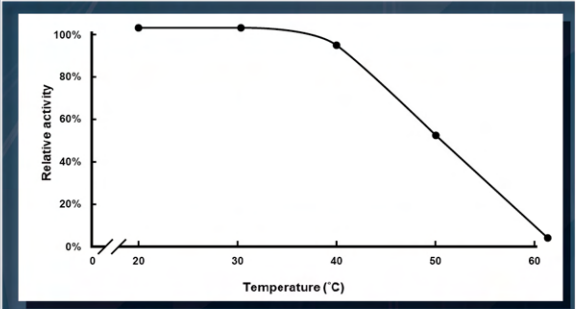


Thermo Stability

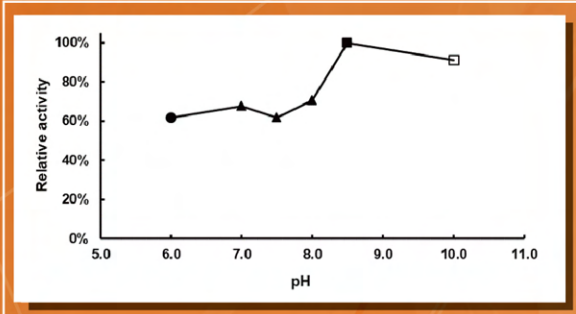
★ Leadgene



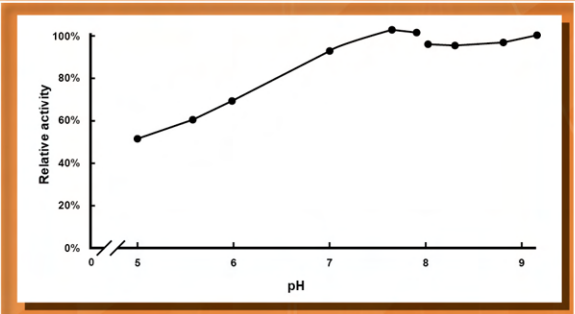
Other brands



★ Leadgene



Other brands



Glucose Dehydrogenase (GLD) (NAD(P)-Dependent)



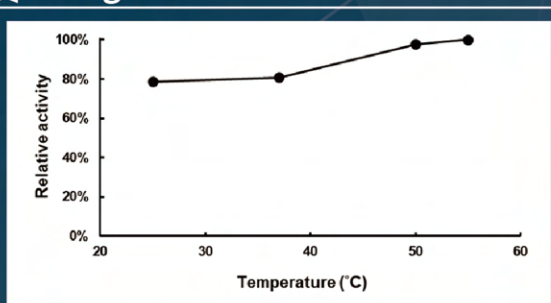
High activity (≥ 300 U/mg)

High stability (-20°C storage)

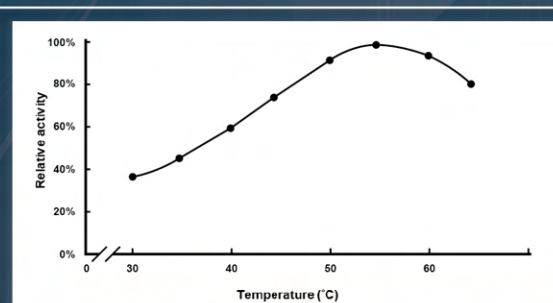
No effects induced by most carbohydrates

Temperature Activity

★ Leadgene

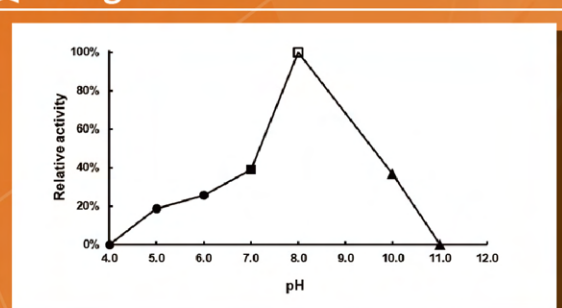


Other brands

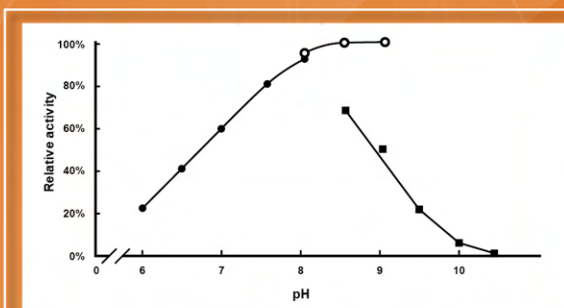


pH Activity

★ Leadgene

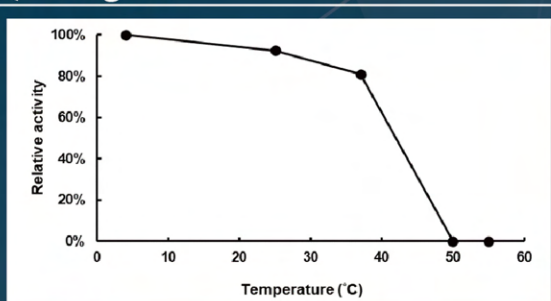


Other brands

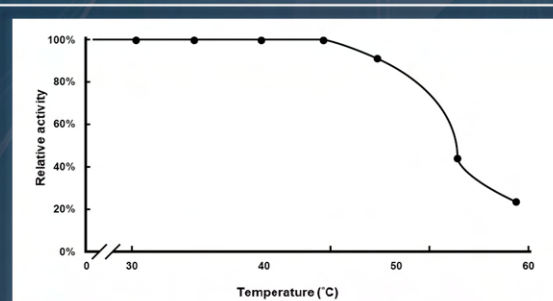


Thermo Stability

★ Leadgene

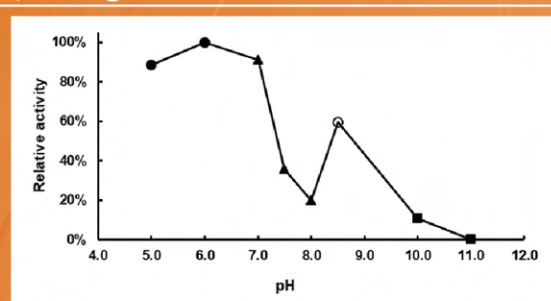


Other brands



pH Stability

★ Leadgene



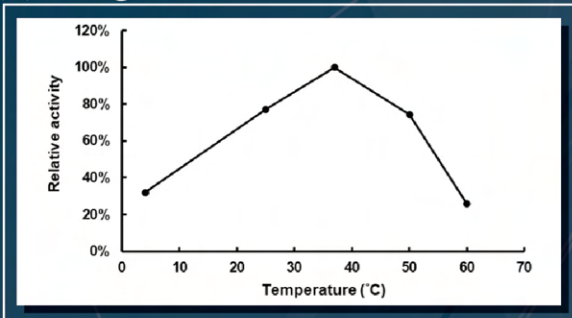
Lactate Oxidase (LOX)



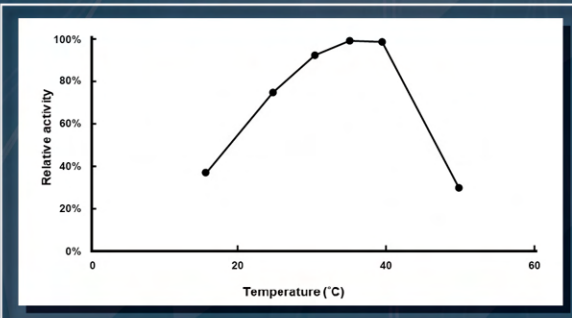
High activity (≥ 200 U/mg)
High stability (-20°C storage)

Temperature Activity

★ Leadgene

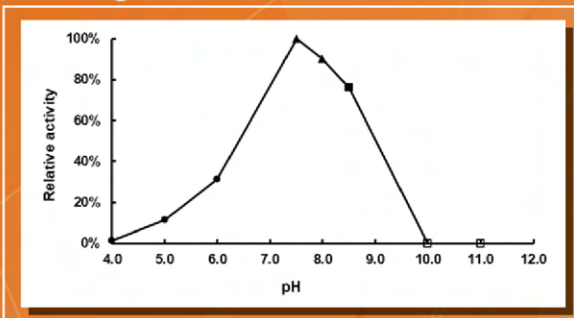


Other brands

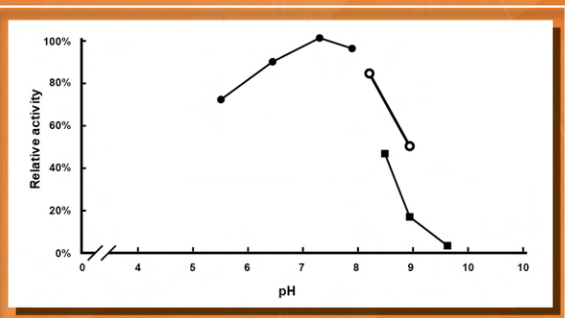


pH Activity

★ Leadgene

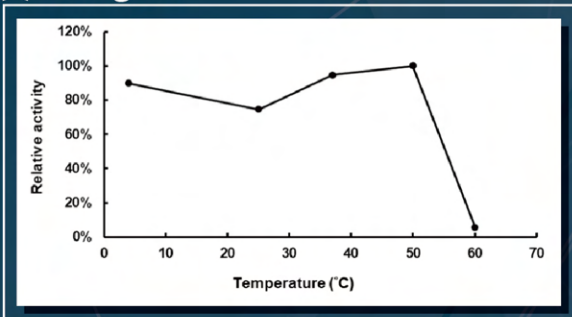


Other brands

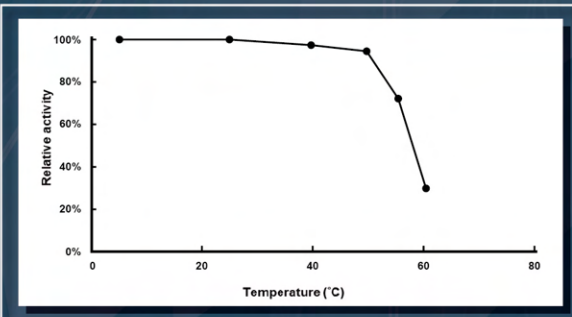


Thermo Stability

★ Leadgene

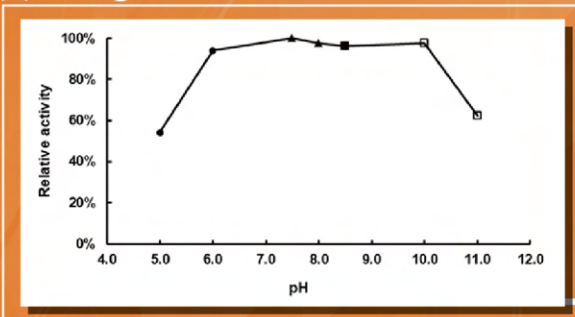


Other brands



pH Stability

★ Leadgene

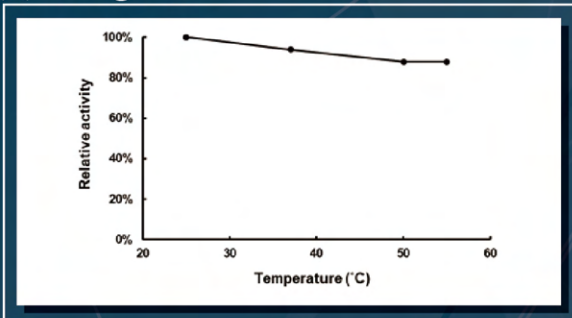




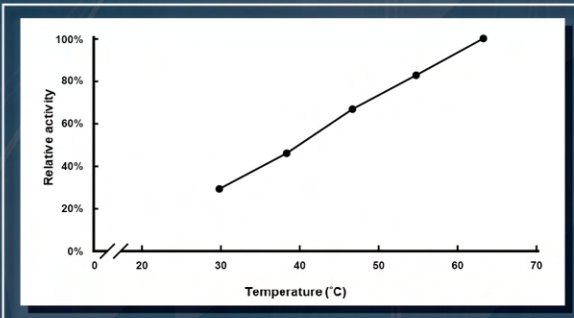
High activity (≥ 40 U/mg)
Stable across a wide temperature range
Stable across a broad pH range

Temperature Activity

★ Leadgene

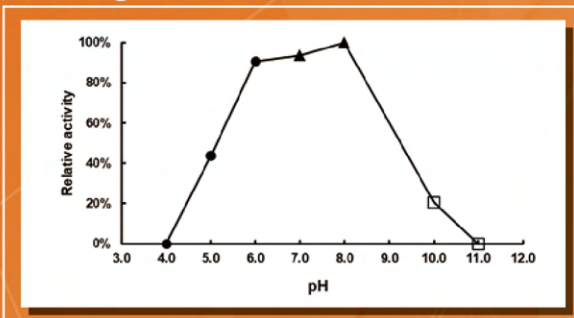


Other brands

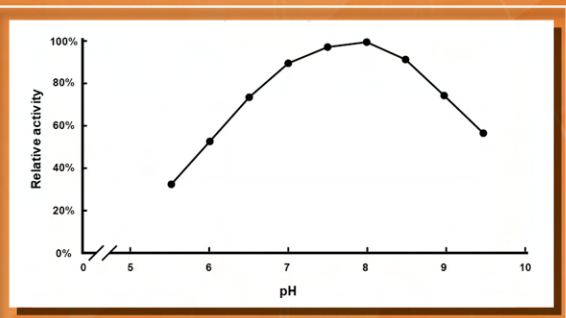


pH Activity

★ Leadgene

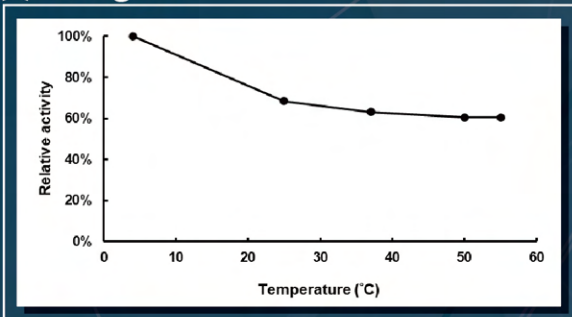


Other brands

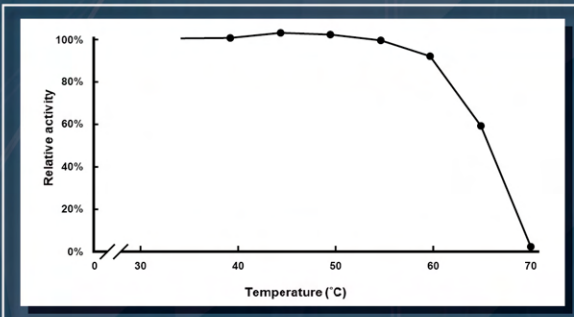


Thermo Stability

★ Leadgene

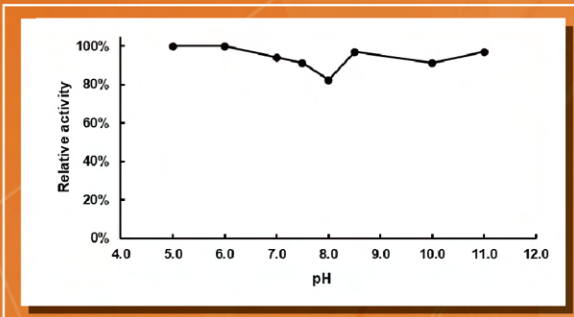


Other brands

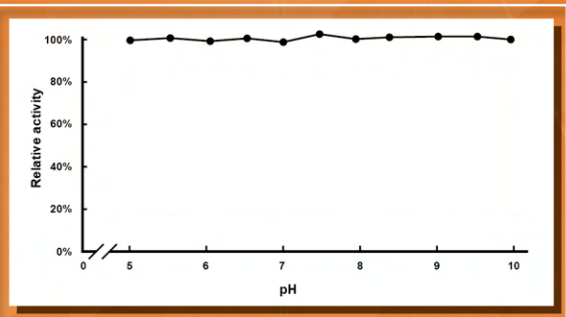


pH Stability

★ Leadgene



Other brands





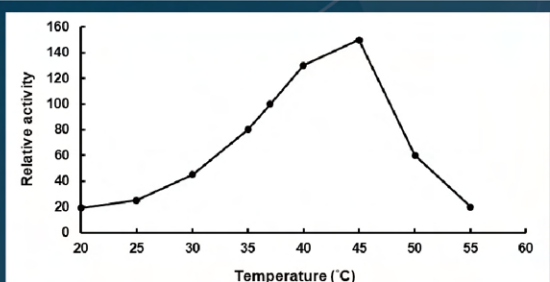
High activity (≥ 70 U/mg)

Stable across a broad pH range (3.5–9.0)

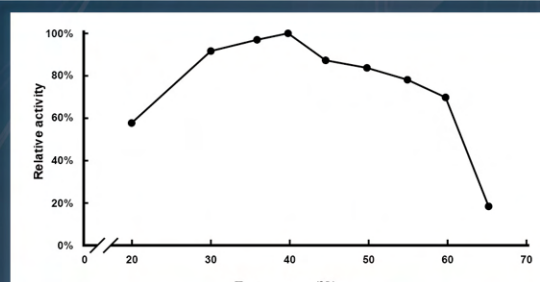
Retains ~80% activity from 30°C to 50°C

Temperature Activity

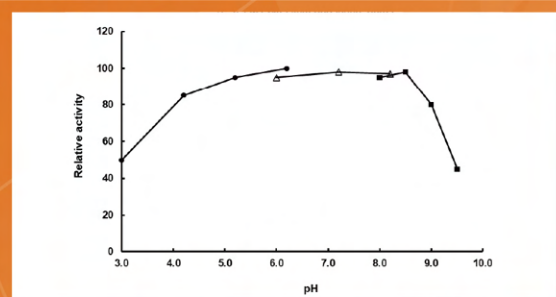
★ Leadgene



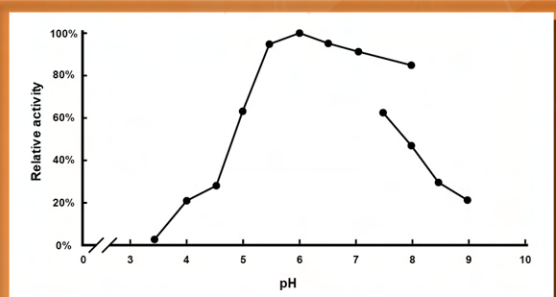
Other brands



★ Leadgene

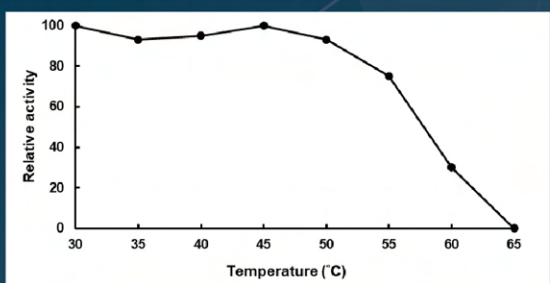


Other brands

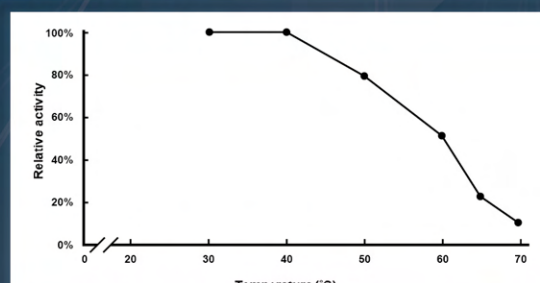


Thermo Stability

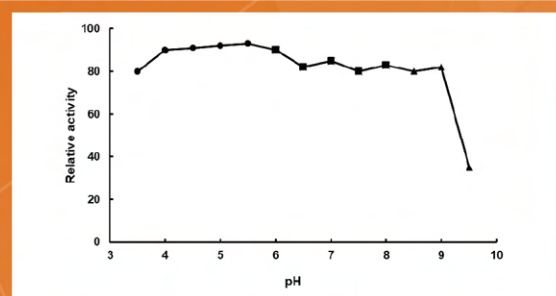
★ Leadgene



Other brands



★ Leadgene



Other brands

