

## Mouse ENO1, His Tag, E. coli

**Catalog Number** LDG091PME

**Package** 5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



### Specifications

#### Species of Origin

Mouse

#### Affinity Tag

His Tag (N-term)

#### Purity

>98% as determined by SDS-PAGE analysis.

#### Endotoxin Level

<0.1 EU per 1 µg of the protein by the LAL method.

#### Expression System

Escherichia coli

#### Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS with 7 mM MgSO<sub>4</sub>, pH 7.2

#### Molecular weight

The protein has a calculated MW of 47.82 kDa. The protein migrates about 48 kDa under reducing condition (SDS-PAGE analysis).

#### Form

Lyophilized

### Background

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### Background

Enolase 1 (ENO1) also named alpha-enolase which is a glycolytic enzyme that plays the key reactions of glycolysis. It could convert the NAD<sup>+</sup> to NADH by producing two ATP. ENO1 is a homodimer which is composed by two isozymes of enolase (2  $\alpha$ , 2  $\nu$ , or 2  $\beta$ ). It also plays an important role in cancer model which can promote tumor cell proliferation and migration by the PI3K signaling pathway. ENO1 is a biomarker of prognostic and diagnostic cancer.

### Uniprot ID

#P17182

### Synonyms

Alpha-enolase, 2-phospho-D-glycerate hydro-lyase, Enolase 1, Non-neural enolase, NNE

### Sequence Note

Ser2-Lys434

## Instruction

### Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 200  $\mu$ g/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

### Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

### Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

## Image

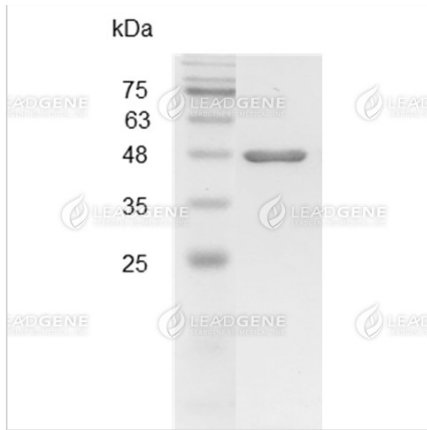
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SDS-PAGE analysis of  
recombinant mouse ENO1.

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