

Human MMP2 (Active), His Tag, E. coli

Catalog Number LDG056PHE

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

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



Specifications

Species of Origin

Human

Affinity Tag

His Tag (C-term)

Purity

>95% 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, pH 8.0.

Molecular weight

The protein has a calculated MW of 63.00 kDa. The protein migrates as 66 kDa under reducing condition (SDS-PAGE analysis).

Form

Lyophilized

Background

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Background

Active matrix metalloproteinase-2 (Active MMP-2) is a 63 kDa matrix metalloproteinases with 558 amino acid residues. MMP-2 is mainly expressed from extracellular matrix organization. Functionally, it can degrade type IV collagen and involves processes of the vasculature, angiogenesis, tissue repair, tumor invasion, inflammation, and atherosclerotic plaque rupture.

Uniprot ID

#P08253

Synonyms

72 kDa type IV collagenase, 72 kDa gelatinase, Gelatinase A, Matrix metalloproteinase-2, MMP-2, TBE-1

Sequence Note

Tyr120-Cys660

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 200 µg/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

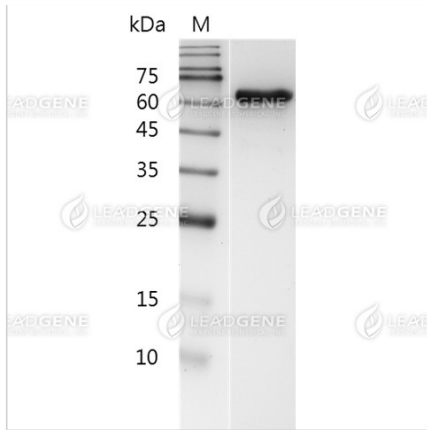
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SDS-PAGE analysis of
recombinant human MMP2
(active).

Disclaimer : For Research Use or Further Manufacturing Only.

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