

Human MMP2, His-Avi Tag, HEK293

Catalog Number	LDG185PHM
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-Avi Tag (C-term)

Purity

>85% as determined by SDS-PAGE analysis.

Endotoxin Level

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

Expression System

HEK293

Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Molecular weight

The protein has a calculated MW of 73.5 kDa.
The protein migrates as 68-72 kDa under reducing condition (SDS-PAGE analysis).

Form

Lyophilized

Background

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Background

Matrix metalloproteinase-2 (MMP2), also known as Gelatinase A or 72 kDa type IV collagenase, is a zinc-dependent endopeptidase involved in the degradation of extracellular matrix (ECM) components, particularly type IV collagen. MMP2 is secreted as a proenzyme and activated extracellularly, playing a pivotal role in tissue remodeling, angiogenesis, wound healing, and embryonic development. Dysregulated MMP2 expression is associated with cancer progression, metastasis, cardiovascular diseases, and inflammatory disorders.

Uniprot ID

P08253

Synonyms

MMP-2, Gelatinase A, 72 kDa type IV collagenase, Clg4a, TBE-1, EC 3.4.24.24, Matrix metalloproteinase 2, MMP2, GelA

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration of 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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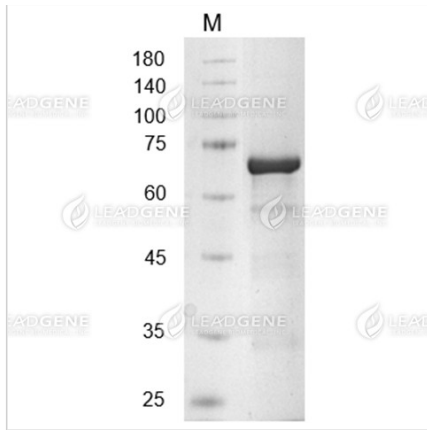
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SDS-PAGE analysis of recombinant human MMP2.

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