

Human MMP9, His Tag, CHO

Catalog Number	LDG146PHM
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

Expression system

CHO

Affinity Tag

His Tag (C-term)

Buffer

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

Purity

>95% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 77.19 kDa. The protein migrates as 77-100 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin level

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

Mycoplasma

Not detected

Form

Lyophilized

Background

Tainan Headquarter

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Background

Human matrix metalloproteinase-9 (MMP9) shares similar functions with its mouse counterpart. It plays a role in extracellular matrix remodeling, cell migration, and angiogenesis. Elevated levels of MMP9 have been associated with tumor progression, metastasis, and inflammatory diseases, making it a potential biomarker and therapeutic target.

Uniprot ID

P14780

Synonyms

Matrix metalloproteinase-9, MMP-9, EC:3.4.24.35, 92 kDa gelatinase, 92 kDa type IV collagenase, Gelatinase B, GELB, Cleaved into: 67 kDa matrix metalloproteinase-9, 82 kDa matrix metalloproteinase-9

Sequence Note

Ala20-Asp707

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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SDS-PAGE analysis of recombinant human MMP9.

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