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)

Storage 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 Headquarters
+886-6-2536677
bd@leadgene.com.tw

Innovation & Research Center
+886-2-27065528

CLD Center
+886-6-2536677

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.

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

Uniprot ID

P14780

Sequence Note

Ala20-Asp707

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration of 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping

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

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.

Image

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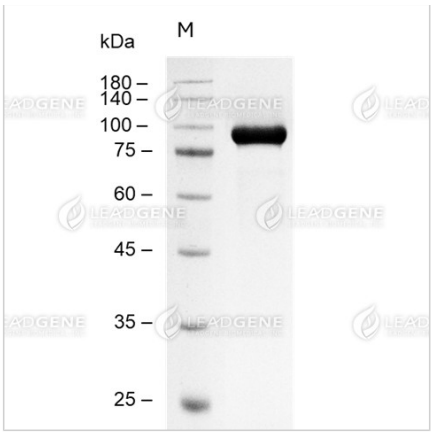

SDS-PAGE analysis of recombinant human MMP9.

Disclaimer : For Research Use or Further Manufacturing Only.

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