

## Mouse MMP2, His-Avi Tag, CHO

<b>Catalog Number</b>	LDG131PMM
<b>Package</b>	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-Avi 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.

#### Form

Lyophilized

#### Expression system

CHO

#### Buffer

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

#### Molecular weight

The protein has a calculated MW of 31.22 kDa.  
The protein migrates as 30-35 kDa under reducing condition (SDS-PAGE analysis).

#### Mycoplasma

Not detected

### Background

#### Tainan Headquarter

+886-6-2536677

bd@leadgene.com.tw

#### Innovation & Research Center

+886-2-27065528

#### CLD Center

+886-6-2536677

### Background

Matrix Metalloproteinase 2 (MMP2), also known as gelatinase A, is a zinc-dependent endopeptidase that plays a crucial role in the degradation of extracellular matrix components, particularly type IV collagen, a major structural component of basement membranes. It is involved in various physiological processes such as tissue remodeling, wound healing, and angiogenesis, as well as pathological conditions including tumor invasion, metastasis, and cardiovascular diseases.

### Uniprot ID

P33434

### Synonyms

MMP-2, Matrix metalloproteinase-2, Gelatinase A, CLG4A, TBE-1, Type IV collagenase

### Sequence Note

Met409-Cys662

## Instruction

### Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O 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

### Tainan Headquarter

+886-6-2536677

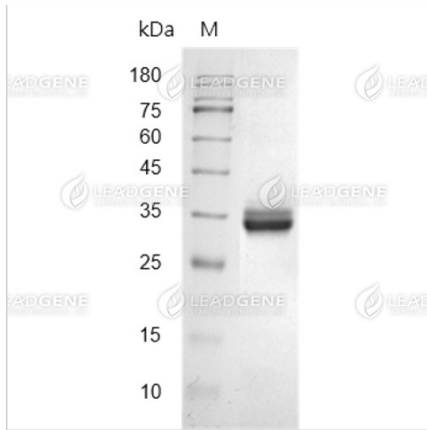
✉ [bd@leadgene.com.tw](mailto:bd@leadgene.com.tw)

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SDS-PAGE analysis of recombinant  
Mouse MMP2.

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