

For Research Use Only

Recombinant Mouse TIMP2 protein (rFc Tag)(HPLC verified)



Catalog Number: Eg2960

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Endotoxin Level:
<0.1 EU/ µg protein, LAL method

Source:
HEK293-derived Mouse TIMP2 protein Cys27-Pro220 (Accession# P25785) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
21858

Accession:
P25785

Predicted Molecular Mass:
47.8 kDa

SDS-PAGE:
44-50 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Metalloproteinases-2 (TIMP2) is a secreted protein ~21 kDa in size, primarily known for its role in regulating peripheral extracellular matrix (ECM) remodeling through its unique dual roles in regulating activation of latent matrix metalloproteinases (MMPs), including MMP2, to proteolytically active forms, and the inhibition of MMP activity.

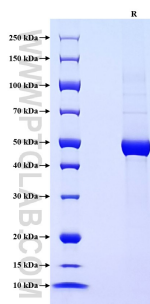
References

1. Brew K. et al. (2010) Biochim Biophys Acta. 1803:55-71.
2. Caterina JJ. et al. (2000) J Biol Chem. 275:26416-22.
3. Wang Z. et al. (2000) J Biol Chem. 275:26411-5.

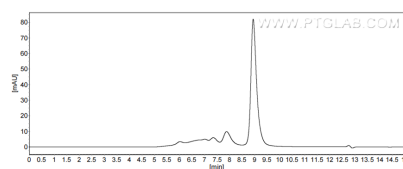
Synonyms

Metalloproteinase inhibitor 2, Timp-2, Tissue inhibitor of metalloproteinases 2

Selected Validation Data



Purity of Recombinant Mouse TIMP2 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.



The purity of Mouse TIMP2 was greater than 90% as determined by SEC-HPLC.

For technical support and original validation data for this product please contact

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