

Recombinant Mouse TIMP2 protein (Tagged-His Tag) ab192281

Description

Product name	Recombinant Mouse TIMP2 protein (Tagged-His Tag)	
Purity	> 95 % SDS-PAGE. Affinity chromatography is used to purify	
Endotoxin level	< 1.000 Eu/μg	
Expression system	HEK 293 cells	
Accession	<u>P25785</u>	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Mouse	
Sequence	SCS PVHPQQAFCN ADVVIRAKAVSEKEVDSGND YGNPIKRIQ YEIKQIKMFK GPDKDIEFYTAPSSAVCGV SLDVGGKKEY LIAGKAEGDG KMHITLCDFI VPWDTLSITQ KKSLNHRYQM GCECKITRCP MIPCYISSPD ECLWMDWVTE KSINGHQAQF FACIKRSDGSCAWYRGAAPP KQEFLDIEDP	
Predicted molecular weight	19 kDa including tags	
Amino acids	27 to 220	
Tags	His tag C-Terminus	

Specifications

Our **Abpromise guarantee** covers the use of **ab192281** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Form Lyophilized

Preparation and Storage

Stability and Storage Shipped at 4°C. The lyophilized protein is stable for a few weeks at room temperature. Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.

pH: 7.40
Constituent: 100% Phosphate Buffer

0.2 µM filtered solution

Reconstitution

Dissolve protein in 1 x PBS to a concentration no less than 100ug/ml

General Info

Function

Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. Known to act on MMP-1, MMP-2, MMP-3, MMP-7, MMP-8, MMP-9, MMP-10, MMP-13, MMP-14, MMP-15, MMP-16 and MMP-19.

Sequence similarities

Belongs to the protease inhibitor I35 (TIMP) family.
Contains 1 NTR domain.

Post-translational modifications

The activity of TIMP2 is dependent on the presence of disulfide bonds.

Cellular localization

Secreted.

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