



Product datasheet

Recombinant Human MMP3 protein ab151945

Description	
Product name	Recombinant Human MMP3 protein
Purity	> 95 % SDS-PAGE. ab151945 has purity greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE. 0.2 µM filtered.
Endotoxin level	< 1.000 Eu/µg
Expression system	HEK 293 cells
Accession	<u>P08254</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	YPLDGAARGEDTSMNLVQKYLENYYDLEKDVKQFVRRKD SGPVVKKIREM QKFLGLEVTGKLDSDTLEVMRKPRCGVPDVGHFRTFPGI PKWRKTHLTYR MNYTPDLPKDAVDSAVEKALKVWEEVTPLTFSRLYEGEA DIMISFAVRE HGDFYPFDGPGNVLAHAYAPGPGINGDAHFDDEQWTK DTTGTNLFLVAA HEIGHSLGLFHSANTEALMYPLYHSLTDLTRFRLSQDDINGI QSLYGPPP DSPETPLVPTEPVPPEPGTPANCDPALSFDAVSTLRGEILI FKDRHFWRK SLRKLEPELHLISSFWPSLPSGVDAAYEVTSKDLVFIFKGN QFWAIRGNE VRAGYPRGIHTLGFPPTVRKIDAAISDKEKNKTYFFVEDKY WRFDEKRNS MEPGFPKQIAEDFPGIDSKIDAVFEEFGFFYFFTGSSQLEF DPNAKKVTH TLKSNSWLNCVDHHHHHH
Predicted molecular weight	52 kDa including tags
Amino acids	18 to 477
Tags	His tag C-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab151945** in the following tested applications.

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

Applications	SDS-PAGE
	HPLC
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
	pH: 7.50
	Constituents: 0.05% Brij, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.88% Sodium chloride

General Info

Function	Can degrade fibronectin, laminin, gelatins of type I, III, IV, and V; collagens III, IV, X, and IX, and cartilage proteoglycans. Activates procollagenase.
Sequence similarities	Belongs to the peptidase M10A family. Contains 4 hemopexin-like domains.
Domain	The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.
Cellular localization	Secreted > extracellular space > extracellular matrix.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
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- We investigate all quality concerns to ensure our products perform to the highest standards

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