

Product datasheet

Recombinant Human TIMP3 protein ab159704

1 Image

Description

Product name	Recombinant Human TIMP3 protein	
Expression system	Wheat germ	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	MTPWLGLVLLGSWSLGDWGAEACTCSPSHPQDAFCNS DMIRAKVVGKK LVKEGPFGLVYTIKQMKMYRGFTKMPHVQYHTEASESLC GLKLEVNKY QYLLTGRVYDGKMYTGLCNFVERWDQLTLSQRKGLNYRY HLGCNCKIKSC YLPCFVTSKNECLWTDMLSNFGYPGYQSKHYACIRQKG GYCSWYRGWAP PDKSIINATDP	
Amino acids	1 to 211	
Tags	GST tag N-Terminus	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab159704** in the following tested applications.

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

Applications	ELISA
	Western blot
Form	Liquid

Additional notes

Preparation and Storage

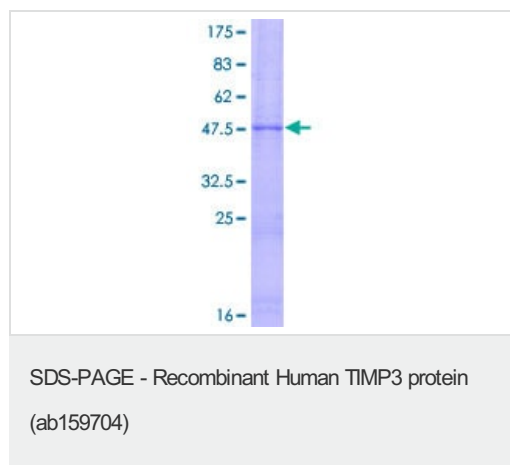
Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00
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Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. May form part of a tissue-specific acute response to remodeling stimuli. Known to act on MMP-1, MMP-2, MMP-3, MMP-7, MMP-9, MMP-13, MMP-14 and MMP-15.
Involvement in disease	Defects in TIMP3 are the cause of Sorsby fundus dystrophy (SFD) [MIM:136900]. SFD is a rare autosomal dominant macular disorder with an age of onset in the fourth decade. It is characterized by loss of central vision from subretinal neovascularization and atrophy of the ocular tissues. Generally, macular disciform degeneration develops in the patients eye within 6 months to 6 years.
Sequence similarities	Belongs to the protease inhibitor I35 (TIMP) family. Contains 1 NTR domain.
Cellular localization	Secreted > extracellular space > extracellular matrix.

Images



ab159704 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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

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