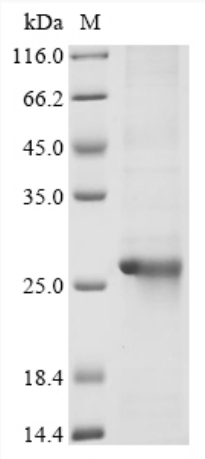
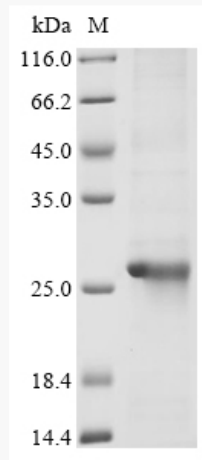


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Datasheet

Product Name	Recombinant Human Metalloproteinase inhibitor 3 (TIMP3), partial
Catalog Number	AAA18727
Expression host	<i>E.coli</i>
Product Info	N-terminal 6xHis-tagged
Buffer	Lyophilized from 10 mM Tris-HCl, 1 mM EDTA, 6% Trehalose, pH 8.0. The volume before lyophilization is 20µl/vial.
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Relevance	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.
AA sequence	HPQDAFCNSDIVIRAKVVGKKLVKEGPFGLVYTIKQMKMYRGFTKMPHVQYI HTEASESLCGLKLEVNKYQYLLTGRVYDGKMYTGLCNFVERWDQLTLSQRKG LNYRYHLGCNCKIKSCYYLPCFVTSKNECLWTDMLSNGYPGYQSKHYACIRQ KGGYCSWYRGWAPPDKSIINA
References	"Structural determinants of the ADAM inhibition by TIMP-3: crystal structure of the TACE-N-TIMP-3 complex." Wisniewska M., Goettig P., Maskos K., Belouski E., Winters D., Hecht R., Black R., Bode W. J. Mol. Biol. 381:1307-1319(2008)

Certificate of Analysis

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Catalog Number	AAA18727		
Expression host	E.coli		
Product Info	N-terminal 6xHis-tagged		
Buffer	Lyophilized from 10 mM Tris-HCl, 1 mM EDTA, 6% Trehalose, pH 8.0. The volume before lyophilization is 20μl/vial.		
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.		
Batch Number	DA04634b1g0		
Nature	Human TIMP3-(AA 30-208)-P35625-Partial Protein		
Purification	Affinity purified using IMAC		
Recommended Storage	Short term	2 to 8 °C, one week from the date of receipt	
	Long term	-20 to -80 °C, twelve months from the date of receipt	
Form	Lyophilized powder		
Date of detection	2022.02.09		
Test Items	Specifications		Results
Purity	≥90%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.		90%
Molecular Weight	Predicted band size: 24.8 kDa		Observed band size: 27 kDa



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Electrophoretic parameters	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.
Aseptic Processing	Not done
Endotoxin Level	Untreated
Activity	Not tested
Conclusion	pass