

TIMP-2 active protein

Active Recombinant Human TIMP-2 Protein

CATALOG #
AAA282484

HOST
HEK293 cells

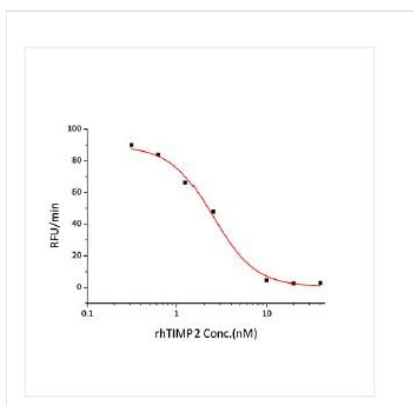
PRODUCT SYNONYMS

TIMP-2; Active Recombinant Human TIMP-2 Protein; TIMP2; CSC-21K; DDC8; TIMP-2 active protein

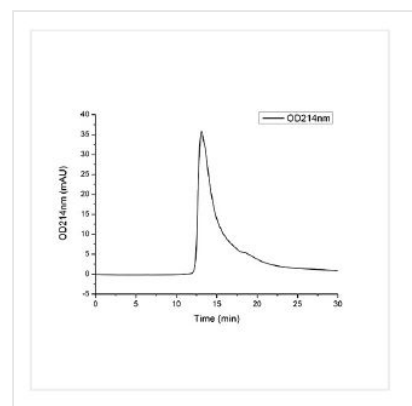
PRODUCT SPECIFICATIONS

Host	HEK293 cells
Purity/Purification	> 95% by SDS-PAGE.
Form/Format	Liquid Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Species	Human
Tag	C-His
Bioactivity	1. Measured by its ability to inhibit human MMP-2 cleavage of a fluorogenic peptide substrate Mca-PLGL-Dpa-AR-NH ₂ . The IC ₅₀ value is approximately 2.5 nM.
Preparation and Storage	Store the lyophilized protein at -20 to -80 degree C for 12 months. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week. Avoid repeated freeze/thaw cycles. Ship: Ice Pack

IMAGES

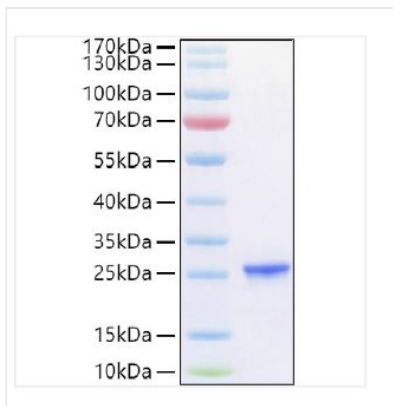


Application Data

Recombinant Human TIMP-2 inhibit human MMP-2 cleavage of a fluorogenic peptide substrate Mca-PLGL-Dpa-AR-NH₂. The IC₅₀ value is approximately 2.5 nM.


Application Data

The purity of Human TIMP2/CSC-21K Protein (#AAA282484) was greater than 95% as determined by SEC-HPLC.



SDS-PAGE

Recombinant Human TIMP-2 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 25-27kDa.

ADDITIONAL INFORMATION

Related Product Information for TIMP-2 active protein	Active Recombinant Human TIMP-2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Cys27-Pro220) of human TIMP2/CSC-21K (Accession #NP_003246.1.) fused with a 6×His tag at the C-terminus.
Product Categories/Family for TIMP-2 active protein	Other Recombinant Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507511
NCBI GeneID	7077
NCBI Accession #	NP_003246.1
NCBI GenBank Nucleotide #	NM_003255.4
UniProt Accession #	P16035; Q16121; Q93006; Q9UDF7; Q96MC4
Molecular Weight	24,399 Da
NCBI Official Full Name	metalloproteinase inhibitor 2
NCBI Official Synonym Full Names	TIMP metalloproteinase inhibitor 2
NCBI Official Symbol	TIMP2
NCBI Official Synonym Symbols	DDC8; CSC-21K
NCBI Protein Information	metalloproteinase inhibitor 2; TIMP-2; tissue inhibitor of metalloproteinase 2; tissue inhibitor of metalloproteinases 2
UniProt Protein Name	Metalloproteinase inhibitor 2
UniProt Gene Name	TIMP2
UniProt Synonym Gene Names	TIMP-2
UniProt Entry Name	TIMP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.