

Active Recombinant Human TIMP2 protein(Cys27-Pro220)

Cat. No. TIMP2-3835H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TIMP2 protein(NP_003246.1)(Cys27-Pro220) was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Cys27-Pro220
similar	TIMP2
Alias	TIMP2; TIMP metalloproteinase inhibitor 2; tissue inhibitor of metalloproteinase 2; metalloproteinase inhibitor 2; CSC 21K; TIMP-2; tissue inhibitor of metalloproteinases 2; CSC-21K;
Conjugate	N/A
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bioactivity	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 < 4 nM.
MolecularMass	The recombinant human TIMP2 consists of 195 amino acids and has a predicted molecular mass of 22 kDa. It migrates as an approximately 20 kDa band in SDS-

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	PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 96 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GeneName	TIMP2 TIMP metalloproteinase inhibitor 2 [Homo sapiens]
GeneNameWeblink	7077
OfficialSymbol	TIMP2
OfficialSymbolWeblink	7077
GenelD	7077
GenelDWeblink	7077
mRNARefseq	NM_003255
mRNARefseqWeblink	NM_003255.4
ProteinRefseqWeblink	NP_003246.1

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MIMWeblink	188825
UniProtID	P16035
UniProtIDWeblink	P16035

GENE INFORMATION

Synonyms	TIMP2; TIMP metalloproteinase inhibitor 2; tissue inhibitor of metalloproteinase 2; metalloproteinase inhibitor 2; CSC 21K; TIMP-2; tissue inhibitor of metalloproteinases 2; CSC-21K;
MIM	188825

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