

Active Recombinant Human TIMP3 protein, Fc-tagged

Cat. No. TIMP3-002H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TIMP3(Cys24-Pro211) fused with Fc region of human IgG1 at N-terminal was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Cys24-Pro211
Form	Lyophilized from 0.2µm-filtered solution in PBS.
Bio-activity	Measured by its ability to induce alkaline phosphatase production.
Molecular Mass	The predicted molecular mass is 48 kDa, and the apparent molecular mass is approximately 55 kDa in SDS-PAGE under reducing conditions.
Endotoxin	<0.06 EU/µg as determined by LAL test.
Purity	>95%, by SDS-PAGE under reducing conditions.
Stability	Stable for at least 1 year after receipt when stored at -20 centigrade. Working aliquots are stable for up to 3 months when stored at -20 centigrade. Avoid freeze/thaw cycles.
Reconstitution	Reconstitute with sterile water to a concentration of 1mg/ml. Add 1xPBS to the

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desired protein concentration.

GENE INFORMATION

Gene Name	TIMP3 TIMP metalloproteinase inhibitor 3 [Homo sapiens]
Official Symbol	TIMP3
Synonyms	TIMP3; TIMP metalloproteinase inhibitor 3; SFD, tissue inhibitor of metalloproteinase 3 (Sorsby fundus dystrophy, pseudoinflammatory); metalloproteinase inhibitor 3; TIMP-3; MIG-5 protein; protein MIG-5; tissue inhibitor of metalloproteinases 3; SFD; K222; K222TA2; HSMRK222;
Gene ID	7078
mRNA Refseq	NM_000362
Protein Refseq	NP_000353
MIM	188826
UniProt ID	P35625
Chromosome Location	22q12.3
Pathway	Endochondral Ossification, organism-specific biosystem; Matrix Metalloproteinases, organism-specific biosystem;
Function	enzyme inhibitor activity; metal ion binding; metalloendopeptidase inhibitor activity; protein binding;

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