

Active Recombinant Human TIMP4, MlgG2a Fc-tagged

Cat. No. TIMP4-3243H Lot. No. (See product label)

SPECIFICATION

Product Overview	The extracellular domain of human TIMP4(AAH10553.1)(Cys30-Pro224) is fused to the N-terminus of the Fc region of mouse IgG2a was expressed in CHO cell.
Species	Human
Source	CHO
ProteinLength	30-224 a.a.
Description	This gene belongs to the TIMP gene family. The proteins encoded by this gene family are inhibitors of the matrixmetalloproteinases, a group of peptidases involved in degradation of the extracellular matrix. The secreted,netrin domain-containing protein encoded by this gene is involved in regulation of platelet aggregation andrecruitment and may play role in hormonal regulation and endometrial tissue remodeling.
Form	Lyophilized from 0.2µm-filtered solution in PBS.
Bio-activity	Measured by its ability to induce alkaline phosphatase production .
Molecular Mass	48KDa (monomer)
AA Sequence	Cys30-Pro224
Endotoxin	<0.06 eu/µg="" as="" determined="" by="" lal="">

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Purity	>98%, by SDS-PAGE under reducing conditions.
Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
Reconstitution	Reconstitute at 100µg/ml in sterile PBS.
Warning	Avoid freeze/thaw cycles.
GENE INFORMATION	
Gene Name	TIMP4 TIMP metalloproteinase inhibitor 4 [Homo sapiens]
Official Symbol	TIMP4
Synonyms	TIMP4; TIMP metalloproteinase inhibitor 4; tissue inhibitor of metalloproteinase 4; metalloproteinase inhibitor 4; TIMP-4; tissue inhibitor of metalloproteinases 4;
Gene ID	7079
mRNA Refseq	NM_003256
Protein Refseq	NP_003247
MIM	601915
UniProt ID	Q99727
Chromosome Location	3p25
Pathway	Matrix Metalloproteinases, organism-specific biosystem;

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Function

enzyme inhibitor activity; metal ion binding; metalloendopeptidase inhibitor activity;

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