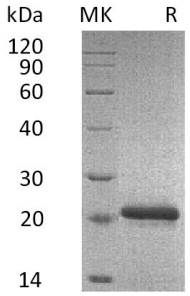
Product Name: Recombinant Mouse TIMP-2 (C-6His)
Catalog #: PHM1658

Summary

Name	TIMP-2/Tissue Inhibitor of Metalloproteinases 2
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Mouse Tissue Inhibitor of Metalloproteinases 2 is produced by our Mammalian expression system and the target gene encoding Cys27-Pro220 is expressed with a 6His tag at the C-terminus.
Accession #	P25785
Host	Human Cells
Species	Mouse
Predicted Molecular Mass	22.5 KDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	TIMP-2; CSC-21Ktissue inhibitor of metalloproteinase 2; metalloproteinase inhibitor 2; TIMP metalloproteinase inhibitor 2; Tissue inhibitor of metalloproteinase 2
Background	Mouse Metalloproteinase inhibitor 2(TIMP-2), belongs to a family of proteins that regulate the activation and proteolytic activity of matrix metalloproteinases

(MMPs). There are four mammalian members of the family; TIMP-1, TIMP-2, TIMP-3, and TIMP-4. The TIMP-2 is detected in testis, retina, hippocampus and cerebral cortex. The function of TIMP 2 protein is to inhibit MMPs non covalently by the formation of binary complexes. Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor.And the interaction with MMP-14 facilitates the activation of pro-MMP-2.It has been shown that the binding of TIMP 2 to a3b1 integrin results in the inhibition of endothelial cell proliferation and angiogenesis.

Note

For Research Use Only , Not for Diagnostic Use.