

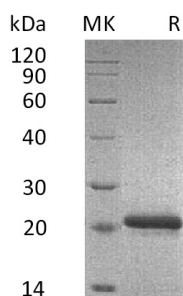
Product Name: Recombinant Mouse TIMP-2 (C-6His)
Catalog #: PHM1658



概述 (Summary)

英文全称	TIMP-2/Tissue Inhibitor of Metalloproteinases 2
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	<1 EU/μg as determined by LAL test.
蛋白构建 (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
蛋白标签 (Tag)	
表达宿主 (Host)	Human Cells
种属 (Species)	Mouse
预测分子量 (Predicted MW)	22.5 KDa
蛋白形态 (Form)	Supplied as a 0.2 μm filtered solution of PBS, pH 7.4.
储存缓冲液 (Buffer)	
运输方式 (Shipping)	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (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.
复溶 (Reconstitution)	

电泳图 (SDS-PAGE image)



背景 (Background)

分子别名 (Alternative Names)	TIMP-2; CSC-21Tissue inhibitor of metalloproteinase 2; metalloproteinase inhibitor 2; TIMP metalloproteinase inhibitor 2; Tissue inhibitor of
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背景介绍 (References)

metalloproteinase 2

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 $\alpha 3 \beta 1$ integrin results in the inhibition of endothelial cell proliferation and angiogenesis.

注意事项 (Note)

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