

Product datasheet for **TP727405**

Timp1 Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Tissue Inhibitors of Metalloproteinases 1/TIMP1
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Cys25-Arg205
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.
Note:	Recombinant Mouse Tissue Inhibitors of Metalloproteinases 1 is produced by our Mammalian expression system and the target gene encoding Cys25-Arg205 is expressed.
Stability:	12 months from date of despatch
Locus ID:	21857
UniProt ID:	P12032
Summary:	Mouse Tissue Inhibitor of Metalloproteinases 1 (TIMP-1) is a member of TIMP family. The homologous proteins of TIMPs regulate the activity of matrix metalloproteinases (MMPs), including inhibition of active MMPs, proMMP activation, cell growth promotion, matrix binding, inhibition of angiogenesis and the induction of apoptosis. Timp-1 complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. It also mediates erythropoiesis in vitro; but, unlike IL-3, it is species-specific, stimulating the growth and differentiation of only human and murine erythroid progenitors. It is known to act on MMP-1, MMP-2, MMP-3, MMP-7, MMP-8, MMP-9, MMP-10, MMP-11, MMP-12, MMP-13, and MMP-16, without MMP-14.



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