

## 32-8678: Recombinant Mouse Tissue Inhibitors of Metalloproteinases 1/TIMP1

**Gene :** Timp1  
**Gene ID :** 21857  
**Uniprot ID :** P12032

### Description

Source: Human Cells.  
MW :20.2kD.

Recombinant Mouse Tissue Inhibitors of Metalloproteinases 1 is produced by our Mammalian expression system and the target gene encoding Cys25-Arg205 is expressed. Tissue Inhibitor of Metalloproteinases 1 (TIMP-1) complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. 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. 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. TIMP-1 does not act on MMP-14.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM Tris,150mM NaCl,pH8.0.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** CSCAPPHPQTAFCNSDLVIRAKFMGSPEINETTLYQRYKIKMTKMLKGFKAVGNAADIRYAYTPVMESLCGYAHK  
SQNRSEEFLLITGRLRNGNLHISACSFVLPWRTLSPAQQRAFSKTYAGCGVCTVFPCLSIKLESPTHCLWTD  
QVLVGSSEYQSRHFACLPRNPGLCTWRSLGAR

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.