

## 32-7413: Recombinant Human Tissue Inhibitor of Metalloproteinases 2/TIMP-2 (C-6His)

**Gene :** TIMP2  
**Gene ID :** 7077  
**Uniprot ID :** P16035

### Description

Source: Human Cells.  
MW :22.79kD.

Recombinant Human 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. Tissue Inhibitor of Metalloproteinases 2 (TIMP-2) complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. Known to act on MMP-1, MMP-2, MMP-3, MMP-7, MMP-8, MMP-9, MMP-10, MMP-13, MMP-14, MMP-15, MMP-16 and MMP-19.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.  
Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks.  
**Storage condition :** 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 :** CSCSPVHPQQAFCNADVIRAKAVSEKEVDSGNDIYGNPIKRIQYEIKQIKMFKGPEKDIEFIYTAPSSAVCGVSL  
DVGGKKEYLIAGKAEGDGKMHITLCDFIVPWTLSSTQKKSLNHRYQMGCECKITRCMPICYISSPDECLWMD  
WVTEKNINGHQAKFFACIKRSDGSCAWYRGAAPPKQEFLDIEDPVDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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