



# Recombinant Protein Technical Manual

## Recombinant Human TIMP-4/TIMP4 Protein (His Tag)

RPES0882

### Product Data:

**Product SKU:** RPES0882

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** Q99727

### Protein Information:

**Molecular Mass:** 23.5 kDa

**AP Molecular Mass:** 20-24 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 20mM Tris,150mM NaCl,pH8.0.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Metalloproteinase inhibitor 4;TIMP-4;Tissue inhibitor of metalloproteinases 4;TIMP4

## Immunogen Information:

**Sequence:** Cys30-Pro224

## Background:

Metalloproteinase inhibitor 4 is an enzyme that in humans is encoded by the TIMP4 gene, belongs to the protease inhibitor I35 (TIMP) family. The protein complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. Known to act on MMP, MMP-2, MMP-3, MMP-7 and MMP-9.