

Recombinant Human Tissue Inhibitor of Metalloproteinases 2/TIMP-2 Protein(C-6His)

Cat.NO.: TP05284

3th Edition

Synonyms: Metalloproteinase Inhibitor 2; CSC-21K; Tissue Inhibitor of Metalloproteinases 2; TIMP-2; TIMP2

Description: Tissue inhibitors of metalloproteinases or TIMPs are a family of proteins that regulate the activation and proteolytic activity of the zinc enzymes known as matrix metalloproteinases (MMPs). There are four members of the family, TIMP-1, TIMP-2, TIMP-3, and TIMP-4. Tissue Inhibitor of Metalloproteinases 2 (TIMP-2) is a non N-glycosylated protein with a molecular mass of 22 kDa. It produced by a wide range of cell types, which inhibits MMPs non-covalently by the formation of binary complexes and irreversibly inactivates them by binding to their catalytic zinc cofactor. TIMP-2 also has erythroid-potentiating and cell growth promoting activities.

Form: PBS

Molecular Weight: 22.8 kDa

Sequences: Cys27-Pro220

Purity: > 95% by HPLC

Concentration:

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.