

TIMP4, 30-224aa, Human, His-tag, Baculovirus

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3th Edition

Synonyms: Metalloproteinase inhibitor 4 , TIMP4, TIMP-4, Metalloproteinase inhibitor 4TIMP 4, TIMP metalloproteinase inhibitor 4TIMP-4, Timp4, TIMP4_HUMAN Tissue inhibitor of metalloproteinase 4 Tissue inhibitor of metalloproteinases 4.

Description: TIMP4, as known as metalloproteinase inhibitor 4, is a family of secreted protein that regulates the activation and proteolytic activity of the zinc enzymes known as matrix metalloproteinases. There are four known members of the family, TIMP1, 2, 3 and 4. TIMP4 is produced by a wide range of tissues, particularly brain, heart, ovary and skeletal muscle. Limited studies have shown that this protein has a tumor suppressive effect against Wilms tumor, exhibits negative correlation with glioma malignancy and is found in breast carcinoma cells. Recombinant human TIMP4, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol

Molecular Weight: 23.5kDa (204aa), 18-28kDa (SDS-PAGE under reducing conditions)

Sequences:

ADPCSCAPAHPPQQHICHSAVIRAKISSEKVVVPASADPADTEKMLRYEIKQIKMFKGFVKVDVQYIYTPFDSSLCGV
KLEANSQKQYLLTGQVLSGKVFHLCNYIEPWEDLSLVQRESLNHHYHLNCGCQITTCYTVPTISAPNECLWTD
WLLERKLYGYQAQHYVCMKHVDGTCSWYRGHLPLRKEFVDIVQPHHHHHH

Purity: > 95% by HPLC

Concentration: 0.25mg/ml (determined by Absorbance at 280nm)

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.