

Human TIMP2 Recombinant Protein



RPPB2325

Product Information Protein Information

Product SKU:

RPPB2325

Accession:

P16035

Host:

Escherichia Coli.

Protein description:

TIMP2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 194 amino acids and having a molecular mass of 21.8kDa.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Fibroblast growth factor 17, FGF-17, FGF17, FGF-13, HH20.

Formulation:

TIMP2 protein was lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4, with 3 % trehalose.

Purity:

Greater than 95.0% as determined by: (a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized TIMP2 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized TIMP2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TIMP2 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

CSCSPVHPQQ AFCNADVIR AKAVSEKEVD SGNDIYGNPI KRIQYEIKQI KMFKGPEKDI EFIYTAPSSA
VCGVSLDVGG KKEYLIAGKA EGDGKMHITL CDFIVPWDTL STTQKKSLSNH RYQMGCECKI TRCPMIPCYI
SSPDECLWMD WVTEKNINGH QAKFFACIKR SDGSCAWYRG AAPPKQEFLL IEDP

Biological Activity:

Fully biologically active when compared to standard. The biologically active as determined by its ability to inhibit human MMP-2 cleavage of a fluorogenic peptide substrate Mca-PLGL-Dpa-AR-NH₂.