

Human FGF12 Recombinant Protein



RPPB0224

Product Information Protein Information

Product SKU:

RPPB0224

Accession:

P61328

Host:

Escherichia Coli.

Protein description:

Fibroblast Growth Factor 12 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 181 amino acids and having a molecular mass of 20.5kDa. The FGF12 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

FGF-12, FGF12, FGF12B, FHF1, Fibroblast growth factor 12, Fibroblast growth factor homologous factor 1, FHF-1, Myocyte-activating factor.

Formulation:

Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH7.4 and 1mM DTT.

Purity:

Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Fibroblast Growth Factor 12 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized FGF12 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Fibroblast Growth Factor 12 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Amino Acid Sequence:

MESKEPQLKG IVTRLFSQQG YFLQMHPDGT IDGTKDENS D YTLFNLIPVG LRVVAIQGVK ASLYVAMNGE
GYLYSSDVFT PECKFKESVF ENYYVIYSST LYRQQESGRA WFLGLNKEGQ IMKGNRVKKT KPSSHVFPKP
IEVCMYREQS LHEIGEKQGR SRKSSGTPTM NGGKVVNQDS T.

Biological Activity:

Determined by FGF12 binding ability in a functional ELISA. Immobilized FGFR4/Fc Chimera at 5 µg/mL (100 µL/well) can bind FGF12 with a linear range of 1.6100 ng/mL.