

Human FGF 18 Recombinant Protein



RPPB0234

Product Information Protein Information

Product SKU:

RPPB0234

Accession:

O76093

Host:

Escherichia Coli.

Protein description:

FGF-18 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 181 amino acids and having a molecular mass of 21.1kDa. The FGF-18 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Fibroblast growth factor 18, FGF-18, zFGF5, FGF18.

Formulation:

FGF-18 protein was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

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 FGF-18 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized FGF-18 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-18 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:

AEENVDFRIH VENQTRARDD VSRKQLRLYQ LYSRTSGKHI QVLGRRISAR GEDGDKYAQL LVETDTFGSQ
VRIKGGKETF YLCMNRKGKL VGKPDGTSKE CVFIEKVLN NYTALMSAKY SGWYVGFTEK GRPRKGPKTR
ENQQDVHFMK RYPKGQPELQ KPFKYTTVTK RRRIRPHTP A.

Biological Activity:

The ED₅₀ as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF-receptors is < 0.5ng/ml, corresponding to a specific activity of > 2.0×10⁶ units/mg.