

Rat FGF-18 Recombinant Protein



RPPB0236

Product Information Protein Information

Product SKU:

RPPB0236

Host:

Escherichia Coli.

Protein description:

FGF18 Rat Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 180 amino acids and having a molecular mass of 21.0kDa. The FGF 18 Rat is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Fibroblast growth factor 18, FGF-18, zFGF5, Fgf18, D130055P09Rik.

Formulation:

Lyophilized from a 0.2um filtered concentrated solution in PBS, pH 7.4.

Purity:

Greater than 95.0% as determined by SDS-PAGE and HPLC analyses.

Solubility:

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

Stability:

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

EENVDFRIHV ENQTRARDDV SRKQLRLYQL YSRTSGKHIQ VLGRRISARG EDGDKYAQLL VETDTFGSQV
RIKKGTEFYL LCMNRKGKLV GKPDGTSKEC VFIEKVLNEN YALMSAKYS GWYVGFYTKKG RPRKGPKTRE
NQQDVHFMKR YPKGQTELQK PFKYTTVTKR SRRIRPHTPG

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 > 2.0×1,000,000 units/mg.