

Human FGF 9 Recombinant Protein



RPPB5730

Product Information Protein Information

Product SKU:

RPPB5730

Accession:

P31371

Host:

Escherichia coli.

Protein description:

Fibroblast Growth Factor-9 Human Recombinant produced in E.coli is a single, non-glycosylated, polypeptide chain containing 207 amino acids and having a molecular mass of 23.4 kDa. The FGF-9 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered white lyophilized powder.

Synonyms:

GAF (Glia-activating factor), HBGF-9, MGC119914, MGC119915, FGF-9.

Formulation:

The sterile protein powder is lyophilized from 1mg/ml solution containing 1xPBS.

Purity:

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

Solubility:

It is recommended to reconstitute the lyophilized Fibroblast Growth Factor-9 Human Recombinant sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Fibroblast Growth Factor 9 Human Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-9 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:

APLGEVGN YF GVQDAVPFGN VPVLPVDSPV LLS D HLGQSE AGGLPRGPAVTDLDHLKGIL RRRQLYCRTG
FHLEIFPNGT IQGTRKDHSR FGILEFISIAVGLVSIRGVD SGLYLGMNEK GELYGSEKLT QECVFREQFE
ENWYNTYSSNLYKHVD TGRR YYVALNKDGT PREGTRTKRH QKFTHFLPRP VDPDKVPELYKDILSQS.

Biological Activity:

The ED₅₀, calculated by the dose-dependant proliferation of BAF3 cells expressing FGF receptors (measured by 3H-thymidine uptake) is <0.5ng/ml, corresponding to a specific activity of 2,000,000 Units/mg.