

Fgf9

Recombinant Rat Fibroblast Growth Factor-9

Catalog No.	CRF131A CRF131B CRF131C	Quantity:	5 µg 20 µg 1.0 mg
Alternate Names:	Glial activating factor, GAF, Heparin-binding growth factor-9, HBGF-9		
Description:	Fibroblast growth factor 9 (FGF-9) belongs to the large FGF family which has at least 23 members. All FGF family members are heparin binding growth factors with a core 120 amino acid (a.a.) FGF domain that allows for a common tertiary structure. FGF-9 targets glial cells, astrocytes cells and other cells that express the FGFR 1c, 2c, 3b, 3c, and 4.		
Gene ID:	25444		
Protein Accession No:	P36364		
Source:	<i>E. coli</i>		
Molecular Weight:	Approximately 23.1 kDa, a single non-glycosylated polypeptide chain containing 205 amino acids		
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM Tris + 400 mM NaCl, pH8.0.		
Purity:	>95% by SDS-PAGE and HPLC analyses.		
Endotoxin Level:	Less than 1EU/µg as determined by LAL method.		
Biological Activity:	Fully biologically active when compared to standard. The ED ₅₀ determined by a cell proliferation assay using mouse Balb/c 3T3 cells is less than 1 ng/ml.		
Specific Activity:	≥1 x 10 ⁶ Units/mg		
Amino Acid Sequence:	LGEVGSYFGV QDAVPPGNVP VLPVDSPVLL SDHLGQSEAG GLPRGPAVTD LDHLKGILRR RQLYCRTGFH LEIFPNGTIQ GTRKDHSRFG ILEFISIAVG LVSIRGVDSG LYLGMNEKGE LYGSEKLTQE CVFREQFEEN WYNTYSSNLY KHVDTGRRYY VALNKDGTTPR EGTRTKRHQK FTHFLPRPVD PDKVPELYKD ILSQS		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/ml. Further dilutions should be made in appropriate buffered solutions.		
Storage & Stability:	This lyophilized preparation is stable at 2-4°C, but should be kept desiccated at -20°C for long term storage. Upon reconstitution, the preparation is stable for up to one week at 2-4°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. Avoid repeated freeze/thaw cycles.		

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