

Recombinant Murine Fibroblast Growth factor 9

Catalog No: #AP60187

Package Size: #AP60187-1 10ug #AP60187-2 100ug #AP60187-3 500ug

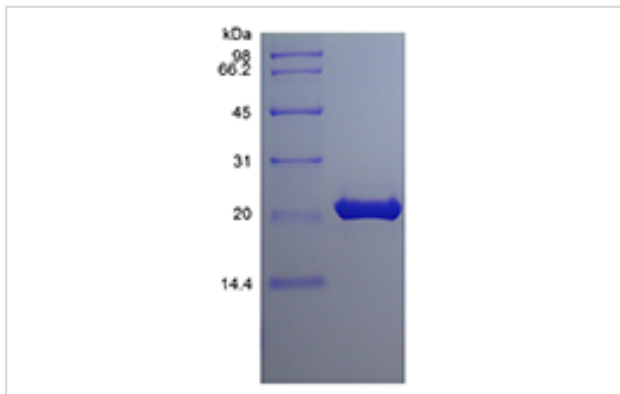
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Description

Product Name	Recombinant Murine Fibroblast Growth factor 9
Host Species	Escherichia coli.
Purification	> 95 % by SDS-PAGE and HPLC analyses.
Other Names	GAF, HBGF-9
Uniprot	P54130
GeneID	14180
Calculated MW	Approximately 23.4 kDa, a single non-glycosylated polypeptide chain containing 207 amino acids.
Target Sequence	MPLGEVGSYF GVQDAVPFGN VPVLPVDSPV LLNDHLGQSE AGGLPRGPAV TLDLHLKGIL RRRQLYCRTG FHLEIFPNGT IQGTRKDHSR FGILEFISIA VGLVSIRGVD SGLYLG MNEK GELYGSEKLT QECVFREQFE ENWYNTYSSN LYKHVDTGRR YYVALNKDGT PREGTRTKRH QKFTHFLPRP VDPDKVPELY KDILSQS
Formulation	Lyophilized from a 0.2µm filtered concentrated solution in 20 mM Tris, 500 mM NaCl, pH 8.5.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.- 12 months from date of receipt, -20 to -70 °C as supplied.- 1 month, 2 to 8 °C under sterile conditions after reconstitution.- 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Images



Background

Fibroblast growth factor 9 (FGF-9) encoded by the FGF-9 gene is a member of the fibroblast growth factor (FGF) family. It plays an important role in the regulation of embryonic development, cell proliferation, cell differentiation and cell migration. In addition, this protein was isolated as a secreted factor that exhibits a growth-stimulating effect on cultured glial cells and it is a heparin-binding protein. Furthermore, FGF-9 is a monomer and interacts with FGFR1, FGFR2, FGFR3 and FGFR4. Recombinant mouse FGF-9 is synthesized as a 208 a.a. precursor that contains a 3 a.a. signal sequence. Specifically, The mouse FGF-9 shares 99 % a.a. sequence identity with rat FGF-9.

Note: This product is for in vitro research use only