

Fibroblast Growth Factor-8 Active Protein | FGF8 active protein

Recombinant Mouse Fibroblast Growth Factor-8, 194 a.a.

CATALOG #
AAA38020

PRODUCT SYNONYMS

Fibroblast Growth Factor-8; Recombinant Mouse Fibroblast Growth Factor-8; 194 a.a.; FGF 8 Mouse; Fibroblast Growth Factor-8 Mouse Recombinant; FGF8B; FGF-8B; FGF8-B; KAL6; HBGF-8; HBGF8; AIGF; MGC149376; fibroblast growth factor 8; FGF8 active protein

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 97.0% as determined by analysis by SDS-PAGE.
Form/Format	Lyophilized from a concentrated (1mg/ml) solution containing 5mM Na ₃ PO ₄ and 50 mM NaCl, pH 7.5. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	MQVTVQSSPN FTQHVREQSL VTDQLSRRLI RTYQLYSRTS GKHVQVLANK RINAMAEDGD PFAKLIVETD TFGSRVVRVG AETGLYICMN KKGKLIASN GKGDVCFTE IVLENNYTAL QNAKYEGWYM AFTRKGRPRK GSKTRQHORE VHFMRKLRPG HHTTEQSLRF EFLNPPFTR SLRGSQRTWA PEPR
Sequence Length	215
Source	Escherichia Coli
Biological Activity	The ED ₅₀ , as determined by its ability to induce proliferation of mouse 3T3 fibroblasts, is 5-7ng/ml, corresponding to a specific activity of 2 x 10 ⁵ units/mg
Solubility	It is recommended to reconstitute the lyophilized FGF 8 in sterile 18M-cm H ₂ O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Preparation and Storage	Lyophilized FGF 8 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF 8 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.

ADDITIONAL INFORMATION

Related Product Information for FGF8 active protein	Introduction: FGF8 is part of the fibroblast growth factor family. FGF family members have wide mitogenic and cell survival activities, and participate in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. FGF8 supports androgen and anchorage independent growth of mammary tumor cells. FGF8 over expression increases tumor growth and angiogenesis. The adult expression of FGF-8 gene is restricted to testes and ovaries. FGF8 functions as an embryonic epithelial factor. FGF8 takes part in midbrain and limb development, organogenesis, embryo gastrulation and left-right axis determination. Description: FGF 8 Mouse Recombinant produced in E Coli is a non-glycosylated polypeptide chain containing 194 amino acids and having a total molecular mass of 22.5kDa.
Product Categories/Family for FGF8 active protein	Cytokines and Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	261599076
NCBI GeneID	14179

NCBI Accession #	NP_001159834.1
NCBI GenBank Nucleotide #	NM_001166362.1
UniProt Accession #	P37237
Molecular Weight	23,522 Da
NCBI Official Full Name	fibroblast growth factor 8 isoform 3
NCBI Official Synonym Full Names	fibroblast growth factor 8
NCBI Official Symbol	Fgf8
NCBI Official Synonym Symbols	Aigf; Fgf-8
NCBI Protein Information	fibroblast growth factor 8
UniProt Protein Name	Fibroblast growth factor 8
UniProt Gene Name	Fgf8
UniProt Synonym Gene Names	Aigf; FGF-8; AIGF; HBGF-8
UniProt Entry Name	FGF8_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/fgf8-active-protein/fibroblast-growth-factor-8/38020>