

Fibroblast Growth Factor-8 Active Protein | mFGF 8 active protein

Recombinant Mouse Fibroblast Growth Factor-8

CATALOG # AAA38889	HOST E Coli
------------------------------	-----------------------

PRODUCT SYNONYMS

Fibroblast Growth Factor-8; Recombinant Mouse Fibroblast Growth Factor-8; FGF 8 Mouse; Fibroblast Growth Factor-8 Mouse Recombinant; Fibroblast growth factor 8; FGF-8; Androgen-induced growth factor; AIGF; Heparin-binding growth factor 8; HBGF-8; Fgf8; mFGF 8 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	FGF-8 protein was lyophilized from a 0.2 um filtered concentrated solution in PBS, pH 7.4. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	QVRSAAQKRG PGAGNPADTL GQGHEDRPFQ QRSRAGKNFT NPAPNYPEEG SKEQRDSVLP KVTQRHVREQ SLVTDQLSRR LIRTYQLYSR TSGKHVQVLA NKINAMAED GDPFAKLIVE TDTFGSRVRV RGAETGLYIC MNKKGKLIAR SNGKGKDCVF TEIVLENNYT ALQNAKYEGW YMAFTRKGRP RKGSKTRQHQ REVHFMKRLP RGHHTTEQSL RFEFLNYPPF TRSLRGSQRT WAPEPR.
Sequence Length	215
Solubility	It is recommended to reconstitute the lyophilized FGF-8 in sterile 18M-cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50, as determined by the dose-dependent a cell proliferation assay using NR6R-3T3 mouse fibroblast cells is <25 ng/ml in the presence of 0.1 ug/ml heprin, corresponding to a specific activity of > 4.0x104 units/mg.
Preparation and Storage	Lyophilized FGF-8 although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution FGF-8 should be stored at 4 degree C between 2-7 days and for future use below -18 degree 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 mFGF 8 active protein	Description: FGF-8 Mouse Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 246 amino acids and having a molecular mass of 28.1kDa. The FGF-8 is purified by proprietary chromatographic techniques. 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.
Product Categories/Family for mFGF 8 active protein	Cytokines and Growth Factors; Growth Factors; Fibroblast Growth Factor

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; HBGF-8; androgen-induced growth factor; heparin-binding 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/e-coli-mfgf-8-active-protein/fibroblast-growth-factor-8/38889>