

FGF-9 recombinant protein

Recombinant Mouse FGF-9 Protein

CATALOG #
AAA283379

HOST
E coli

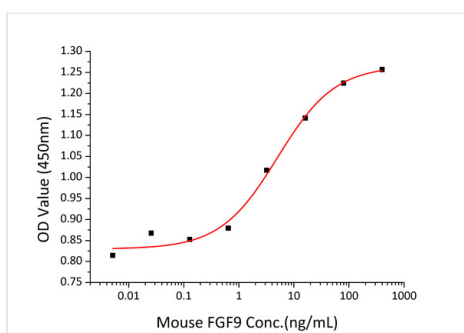
PRODUCT SYNONYMS

FGF-9; Recombinant Mouse FGF-9 Protein; Fibroblast growth factor 9; Glia-activating factor; GAF; HBGF-9; Fgf9; Fgf-9; FGF-9 recombinant protein

PRODUCT SPECIFICATIONS

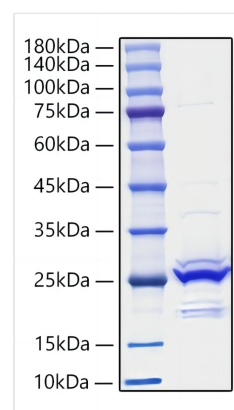
Host	E coli
Purity/Purification	>90% by SDS-PAGE.
Form/Format	Supplied as a 0.22 um filtered solution of solution of 20mM Tris-HCl, 250mM NaCl, 1mM EDTA, 20% Glycerol, 1mM DTT, pH8.5
Sequence	MAPLGEVGSY FGVQDAVPFG NVPVLPVDSP VLLSDHLGQS EAGGLPRGPA VTDLHLKGI LRRRLQYCRT GFHLEIFPNG TIQGTKRDHS RFGILEFISI AVGLVSIRGV DSGLYLGME KGELYGSEKL TQECVFREQF EENWYNTYSS NLYKHVD TGR RYYVALNKDG TPREGTRTKR HQKFTHFLPR PVDPAKVPPEL YKDILSQS
Species	Mouse
Endotoxin	<0.1 EU/ug of the protein by LAL method.
Bio-Activity	Measured in a cell proliferation assay using BALB/3T3 mouse fibroblasts. The ED ₅₀ for this effect is 2.52-10.06ng/mL, corresponding to a specific activity of $9.94 \times 10^4 \sim 3.97 \times 10^5$ units/mg.
Preparation and Storage	Store at -70 degree C. This product is stable at <= -70 degree C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles.

IMAGES



Application Data

Recombinant Mouse FGF-9 Protein promotes proliferation of BALB/3T3 mouse fibroblasts cells. The ED₅₀ for this effect is 2.52-10.06 ng/mL, corresponding to a specific activity of $9.94 \times 10^4 \sim 3.97 \times 10^5$ units/mg.



SDS-PAGE

Recombinant Mouse FGF-9 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 25-30 kDa.

ADDITIONAL INFORMATION

Related Product Information for FGF-9 recombinant protein	Fibroblast growth factor 9 is also known as FGF9, GAF, HBFG-9, SYNS3, and is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. FGF9 is also a mitogen for oligodendrocyte type 2 astrocyte progenitor cells, smooth muscle cells, pheochromocytoma PC12 cells, and BALB/3T3 fibroblasts. However, unlike FGF acidic and basic, FGF9 has no effect on human umbilical vein endothelial cells, and it has been demonstrated that FGF9 binds preferentially to the IIIc form of FGFR3. Although no typical signal sequence was found in FGF9, it is secreted efficiently after synthesis not in a conventional manner. In nervous system, FGF9 is produced mainly by neurons and may plays an important role in CNS development. FGF9 has been shown to interact with Fibroblast growth factor receptor 3.
Product Categories/Family for FGF-9 recombinant protein	Cytokines & Cytokine receptors; Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	110625633
NCBI GeneID	14180
NCBI Accession #	NP_038546.2
NCBI GenBank Nucleotide #	NM_013518.4
UniProt Accession #	P54130; Q49919
UniProt Protein Name	Fibroblast growth factor 9
UniProt Gene Name	Fgf9
UniProt Synonym Gene Names	Fgf-9; FGF-9; GAF
UniProt Entry Name	FGF9_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://www.aaabiotech.com/fgf9-recombinant-protein-e-coli/283379>