

FGF-6 recombinant protein

Recombinant Mouse FGF-6 Protein

CATALOG #
AAA283408

HOST
E coli

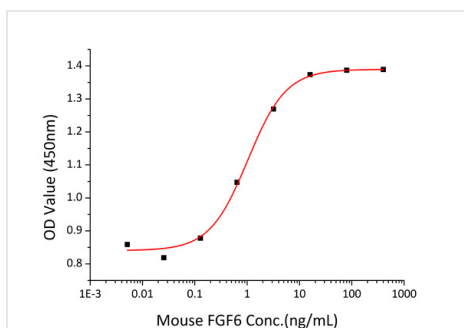
PRODUCT SYNONYMS

FGF-6; Recombinant Mouse FGF-6 Protein; Fgf6; Fgf-6; Hstf2; Fibroblast growth factor 6; Heparin secretory-transforming protein 2; HST-2; HSTF-2; Heparin-binding growth factor 6; HBGF-6.; FGF-6 recombinant protein

PRODUCT SPECIFICATIONS

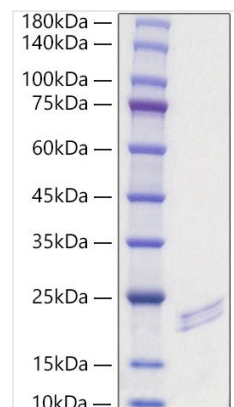
Host	E coli
Form/Format	Lyophilized from a 0.22 um filtered solution of 20 mM PB, 800 mM NaCl, pH7.4.
Sequence	SPAGARANGT LLDSRGWGTL LSRSRAGLAG EISGVNWESG YLVGIKRQRR LYCNVGIGFH LQVPPDGRIS GTHEENPYSL LEISTVERGV VSLFGVKSAL FIAMNSKGRL YTTPSFHDEC KFRETLLPNN YNAYESDLR GTIALSKYG RVKRGSKVSP IMTVTHFLPR I
Species	Mouse
Endotoxin	<1EU/ug of the protein by LAL method.
Bio-Activity	Measured in a cell proliferation assay using Balb3T3 mouse fibroblast cells. The ED ₅₀ for this effect is 0.52-2.06ng/mL, corresponding to a specific activity of 4.85×10 ⁵ ~1.92×10 ⁶ units/mg.
Preparation and Storage	Store at -20 degree C. Store the lyophilized protein at -20 degree C to -80 degree C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week.

IMAGES



Application Data

Recombinant Mouse FGF-6 stimulates cell proliferation assay using Balb3T3 mouse fibroblast cells. The ED₅₀ for this effect is 0.52-2.06 ng/mL, corresponding to a specific activity of 4.85×10⁵~1.92×10⁶ units/mg.



SDS-PAGE

Recombinant Mouse FGF-6 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 20-25 kDa.

ADDITIONAL INFORMATION

Related Product Information for FGF-6 recombinant protein	FGF-6 is a member of the large and diverse fibroblast growth factor (FGF) family of peptide growth factors. FGF-6 binds to receptor FGFR4 and functions as a signaling molecule that is involved in many important processes. The mouse homolog of this gene exhibits predominantly in the myogenic lineage which suggests a role in muscle regeneration or differentiation. FGF-6 was able to transform NIH/3T3 cells and the resulting transformant formed a well-vascularized tumor in nude mice, thus suggesting an angiogenic property similar to some other members of the FGF family.
Product Categories/Family for FGF-6 recombinant protein	Cytokines & Cytokine receptors; Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	112363076
NCBI GeneID	14177
NCBI Accession #	NP_034334.1
NCBI GenBank Nucleotide #	NM_010204.1
UniProt Accession #	P21658
UniProt Protein Name	Fibroblast growth factor 6
UniProt Gene Name	Fgf6
UniProt Synonym Gene Names	Fgf-6; Hstf2; FGF-6; HST-2; HSTF-2; HBGF-6

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/fgf6-recombinant-protein-e-coli/283408>