

Fgf8 active protein

FGF8 Protein, Human, Recombinant

CATALOG #
AAA258053

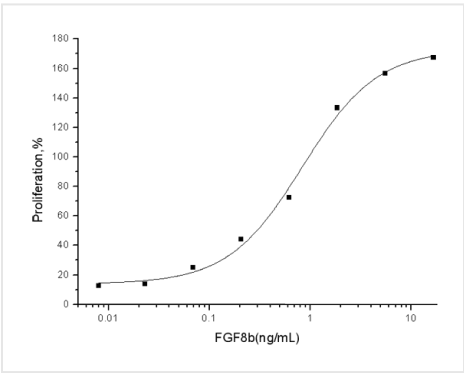
HOST
E Coli

PRODUCT SYNONYMS

FGF8; FGF8 Protein; Human; Recombinant; Human FGF-8b/FGF8B Protein; AIGF Protein; FGF-8 Protein; HBGF-8 Protein; HH6 Protein; KAL6 Protein; NEWENTRY Protein; fibroblast growth factor 8 (androgen-induced); Fgf8 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Sequence	Gln23-Arg215
Species	Human
Activity	Measured in a cell proliferation assay using BALB/c 3T3 mouse fibroblasts. The ED50 for this effect is typically 0.4-1.6ug/mL.
Predicted N Terminal	Met
Tag	Native
Protein Construction	A DNA sequence encoding the human FGF8 (NP_006110.1)(Gln23-Arg215) was expressed with an initial Met.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice.



SDS-PAGE

Application Data
Measured in a cell proliferation assay using BALB/c 3T3 mouse fibroblasts. The ED50 for this effect is typically 0.4-1.6 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for Fgf8 active protein

Background: In mammalian embryos, transient Fgf8 expression defines the developing isthmic region, lying between the midbrain and the first rhombomere, but there has been uncertainty about the existence of a distinct isthmic segment in postnatal mammals. Retinoic acid (RA) directly represses Fgf8 through a RARE-mediated mechanism that promotes repressive chromatin, thus providing valuable insight into the mechanism of RA-FGF antagonism during progenitor cell differentiation. Fgf8 encodes a key signaling factor, and its precise regulation is essential for embryo patterning.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5174439
NCBI GeneID	2253
NCBI Accession #	NP_006110.1
NCBI GenBank Nucleotide #	NM_006119.4
UniProt Accession #	P55075; Q14915; Q15766; A1A514
Molecular Weight	26,525 Da
NCBI Official Full Name	fibroblast growth factor 8 isoform B
NCBI Official Synonym Full Names	fibroblast growth factor 8 (androgen-induced)
NCBI Official Symbol	FGF8
NCBI Official Synonym Symbols	HH6; AIGF; KAL6; FGF-8; HBGF-8
NCBI Protein Information	fibroblast growth factor 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_HUMAN

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.