

FGF6 active protein

FGF6 Protein, Human, Recombinant

CATALOG #
AAA257976

HOST
E Coli

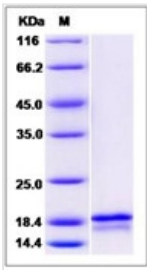
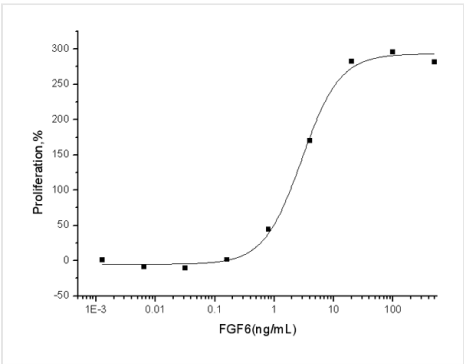
PRODUCT SYNONYMS

FGF6; FGF6 Protein; Human; Recombinant; Human FGF6/FGF-6 Protein; HBGF-6 Protein; HST2 Protein; fibroblast growth factor 6; FGF6 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	Gly41-Ile2 08
Species	Human
Activity	Measured in a cell proliferation assay using BALB/c 3T3 mouse fibroblasts. The ED50 for this effect is typically 1-6ng/mL.
Predicted N Terminal	Met
Tag	Native
Protein Construction	A DNA sequence encoding the mature form of human FGF6 (NP_066276.2)(Gly41-Ile208) was expressed with a N-terminal 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.

IMAGES



SDS-PAGE

Application Data
Measured in a cell proliferation assay using BALB/c 3T3 mouse fibroblasts. The ED50 for this effect is typically 1-6 ng/mL.

ADDITIONAL INFORMATION

Related Product Information for FGF6 active protein	Background: FGF6, also known as FGF-6, belongs to the fibroblast growth factor (FGF) family. Members of this family 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. FGF6 plays an important role in the regulation of cell proliferation, cell differentiation, angiogenesis and myogenesis. It is also required for normal muscle regeneration. FGF6 gene displayed oncogenic transforming activity when transfected into mammalian cells.
References	Marics I, et al. (1989) Characterization of the HST-related FGF.6 gene, a new member of the fibroblast growth factor gene family. <i>Oncogene</i> . 4(3):335-40.Coulter F, et al. (1991) Putative structure of the FGF6 gene product and role of the signal peptide. <i>Oncogene</i> . 6(8):1437-44.Iida S, et al. (1992) Human hst-2 (FGF-6) oncogene: cDNA cloning and characterization. <i>Oncogene</i> . 7(2):303-9.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15147343
NCBI GeneID	2251
NCBI Accession #	NP_066276.2
NCBI GenBank Nucleotide #	NM_020996.2
UniProt Accession #	P10767; Q0VAE1
Molecular Weight	22,905 Da
NCBI Official Full Name	fibroblast growth factor 6
NCBI Official Synonym Full Names	fibroblast growth factor 6
NCBI Official Symbol	FGF6
NCBI Official Synonym Symbols	HST2; HBGF-6
NCBI Protein Information	fibroblast growth factor 6
UniProt Protein Name	Fibroblast growth factor 6
UniProt Gene Name	FGF6
UniProt Synonym Gene Names	HST2; 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.

