

FGF2 active protein

FGF2 Protein, Human, Recombinant

CATALOG #
AAA257817

HOST
E Coli

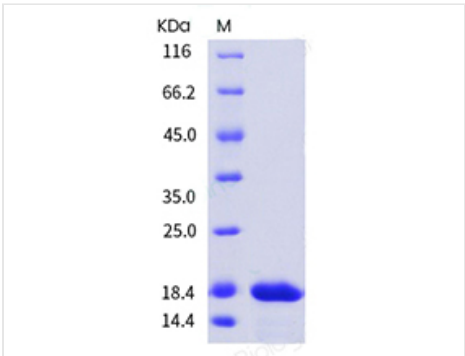
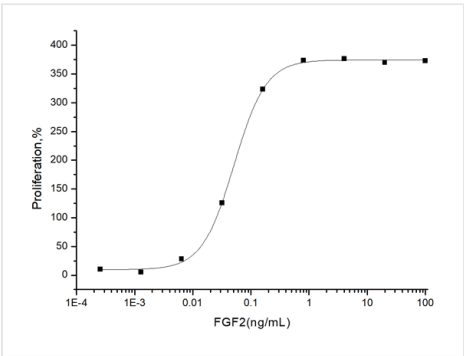
PRODUCT SYNONYMS

FGF2; FGF2 Protein; Human; Recombinant; Human bFGF/FGF2 Protein; BFGF Protein; FGF-2 Protein; FGFB Protein; HBGF-2 Protein; fibroblast growth factor 2 (basic); FGF2 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	Pro143-Ser 288
Species	Human
Activity	Measured in a cell proliferation assay using BALB/c 3T3 mouse embryonic fibroblasts. The ED50 for this effect is typically 0.02-0.1ng/mL.
Endotoxin	<1.0EU per ug protein as determined by the LAL method
Predicted N Terminal	Met
Tag	Native
Protein Construction	A DNA sequence encoding the mature form of human bFGF (NP_001997.5)(Pro143-Ser288) was expressed with an additional Met at the N-terminus.
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



Application Data
Measured in a cell proliferation assay using BALB/c 3T3 mouse embryonic fibroblasts. The ED50 for this effect is typically 0.02-0.1 ng/ml.

SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for FGF2 active protein	Background: Basic fibroblast growth factor (bFGF), also known as FGF2, is a member of the fibroblast growth factor (FGF) family. It is a highly specific chemotactic and mitogenic factor for many cell types, appears to be involved in remodeling damaged tissue, such as ulcer healing, vascular repair, traumatic brain injury (TBI). bFGF is a critical component of human embryonic stem cell culture medium. In addition, bFGF protein is a heparin-binding cationic protein involved in a variety of pathological conditions including angiogenesis and solid tumour growth. Thus, bFGF is regarded as a target for cancers chemopreventive and therapeutic strategies. bFGF/FGF2 Protein & Antibody Products
Product Categories/Family for FGF2 active protein	Cancer Drug Targets
References	Takayama S,et al. (2001) Periodontal regeneration by FGF-2 (bFGF) in primate models. J Dent Res. 80(12): 2075-9.Niu YJ, et al. (2004) Therapeutic effect of bFGF on retina ischemia-reperfusion injury. Chin Med J (Engl). 117(2): 252-7.Zhang Y,et al. (2004) Expression of aFGF, bFGF, and FGFR1 in ovarian epithelial neoplasm. Chin Med J (Engl). 117(4): 601-3.

NCBI AND UNIPROT INFORMATION

NCBI GI #	153285461
NCBI GeneID	2247
NCBI Accession #	NP_001997.5
NCBI GenBank Nucleotide #	NM_002006.4
UniProt Accession #	P09038; O00527; P78443; Q16443; Q5PY50; Q7KZ11; Q7KZ72; Q9UC54; Q9UCS5; Q9UCS6; A4LBB8
Molecular Weight	30,770 Da
NCBI Official Full Name	fibroblast growth factor 2
NCBI Official Synonym Full Names	fibroblast growth factor 2 (basic)
NCBI Official Symbol	FGF2
NCBI Official Synonym Symbols	BFGF; FGFB; FGF-2; HBGF-2
NCBI Protein Information	fibroblast growth factor 2; prostaticin; heparin-binding growth factor 2; basic fibroblast growth factor bFGF
UniProt Protein Name	Fibroblast growth factor 2
UniProt Gene Name	FGF2
UniProt Synonym Gene Names	FGFB; FGF-2; bFGF; HBGF-2

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/e-coli-active-protein/fgf2/257817>