

FGF basic/FGF-2 Active Protein | FGF-2 active protein

Recombinant human FGF basic/FGF-2 protein

CATALOG # AAA48985	HOST E coli	APPLICATIONS SDS-Page
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PRODUCT SYNONYMS

FGF basic/FGF-2; Recombinant human FGF basic/FGF-2 protein; Fibroblast growth factor 2; BFGF; FGFB; HBGF-2; FGF2; FGF-2; FGF-2 active protein

PRODUCT SPECIFICATIONS

Host	E coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid in. 50mM Tris-HCl buffer (pH8.0)
Concentration	1mg/ml (determined by Bradford assay) (varies by lot)
Sequence Positions	143-288aa
Sequence	MPALPEDGGS GAFPPGHFKD PKRLYCKNGG FFLRIHPDGR VDGVREKSDP HIKLQLQAE E RGVVSIGKVC ANRYLAMKED GRLLASKCVT DECFFFERLE SNNYNTYRSR KYTSWYVALK RTGQYKLGSK TGPQKAILF LPMSAKS
Applicable Applications for FGF-2 active protein	Bioactivity, SDS-PAGE
Species	Human
Endotoxin	< 1 EU per 1ug of protein (determined by LAL method)
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

ADDITIONAL INFORMATION

Related Product Information for FGF-2 active protein	Fibroblast growth factor 2 (FGF2) is a member of the FGF family that binds heparin and plays important roles in morphogenic, neurotrophic and angiogenic processes. FGF2 possess diverse biological functions, such as neuron differentiation, embryonic development and differentiation, modulation of angiogenesis, and wound healing. Recombinant human FGF2 was expressed in E coli and purified by conventional chromatography techniques.
Product Categories/Family for FGF-2 active protein	Hormones & Cytokines ; Proteins
References	Nakayama T., et al. (2007) Blood. 109(2):1363-72. A E Eriksson., et al. (1991) PNAS. 88:3441-3445 Raines, E.W. et al. (1985) Methods Enzymol. 109:749-73

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; prostatropin; 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
UniProt Entry Name	FGF2_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.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/fgf-basic-fgf-2/48985>