

Fibroblast Growth Factor-basic Active Protein | FGF 2 active protein

Recombinant Human Fibroblast Growth Factor-basic

CATALOG # AAA38112	HOST E Coli
------------------------------	-----------------------

PRODUCT SYNONYMS

Fibroblast Growth Factor-basic; Recombinant Human Fibroblast Growth Factor-basic; FGF 2 Human; Fibroblast Growth Factor-Basic Human Recombinant; Prostatropin; HBGH-2; HBGF-2; FGF-2; FGF-b; FGF 2 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 98.0% as determined by SDS-PAGE
Form/Format	Sterile Filtered White lyophilized (freeze-dried) powder. The protein was lyophilized from 0.2 um filtered concentrated solution in 20 mM Tris-HCl, pH 7.4 and 1M NaCl
Sequence	AAGSITTLPA LPEDGGSGAF PPGHFKDPKR LYCKNGGFFL RIHPDGRVDG VREKSDPHIK LQLQAEERGV VSIKGVCANR YLAMKEDGRL LASKCVTDEC FFFERLESNN YNTYRSRKYT SWYVALKRTG QYKLGSKTGP GQKAILFLPM SAKS
Sequence Length	288
Solubility	It is recommended to reconstitute the lyophilized Fibroblast Growth Factor Basic in sterile 18M Omega -cm H ₂ O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED ₅₀ , calculated by the dose-dependant proliferation of murine balb/c 3T3 cells is < 0.1ng/ml, corresponding to specific activity of greater than 1.0x10 ⁷ Units/mg
Preparation and Storage	Lyophilized Fibroblast Growth Factor-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution FGF-b should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for FGF 2 active protein	Fibroblast Growth Factor-2 Human Recombinant (FGF-2) produced in E Coli is a single, non-glycosylated, polypeptide chain containing 154 amino acids and having a molecular mass of 17.2kDa. The FGF-b is purified by proprietary chromatographic techniques.
Product Categories/Family for FGF 2 active protein	Cytokines and Growth Factors ; Growth Factors ; Fibroblast Growth Factor

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
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; basic fibroblast growth factor bFGF; heparin-binding growth factor 2; prostatropin
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/e-coli-fgf-2-active-protein/fibroblast-growth-factor-basic/38112>