

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

Recombinant Human Fibroblast Growth Factor-basic

|                              |                       |
|------------------------------|-----------------------|
| CATALOG #<br><b>AAA38112</b> | HOST<br><b>E Coli</b> |
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### 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.<br>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<br>VSIKGVCANR YLAMKEDGRL LASKCVTDEC FFFERLESNN YNTYRSRKYT SWYVALKRTG QYKLGSKTGP<br>GQKAILFLPM SAKS                                                                                                                                                                                                 |
| Sequence Length         | 288                                                                                                                                                                                                                                                                                                                                                                             |
| Solubility              | It is recommended to reconstitute the lyophilized Fibroblast Growth Factor Basic in sterile 18M Omega -cm H <sub>2</sub> O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.                                                                                                                                                               |
| Biological Activity     | The ED <sub>50</sub> , 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 <sup>7</sup> 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

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|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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   | <a href="#">Cytokines and Growth Factors</a> ; <a href="#">Growth Factors</a> ; <a href="#">Fibroblast Growth Factor</a>                                                                                                                                     |

### 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                | <b>FGF2</b>                                                                                                    |
| 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://www.aaabiotech.com/e-coli-fgf-2-active-protein/fibroblast-growth-factor-basic/38112>