# Human FGF-basic (FGF-2/bFGF) (154 aa) Recombinant Protein, PeproTech®

| **Product Details** | |
|---|---|
| Size | 50 µg |
| Species | Human |
| Published Species | Avian, Pig, Rat, Non-human primate, Virus, Mammal, Bacteria, Camelid, Panda, Amphibian, Bovine, Sheep, Hamster, Cat, Fish, Human, Mouse, Chicken, Horse, Guinea pig, Dog, Cynomolgus monkey, Rabbit |
| Expression system | E. coli |
| Amino acid sequence | AAGSITTLPA LPEDGGSGAF PPGHFKDPKR LYCKNGGFFL RIHPDGRVDG VREKSDPHIK LQLQAEERGV VSIKGVCANR YLAMKEDGRL LASKCVTDEC FFFERLESNN YNTYRSRKYT SWYVALKRTG QYKLGSKTGP GQKAILFLPM SAKS |
| Molecular weight | 17.2 kDa |
| Class | Recombinant |
| Type | Protein |
| Purity | 95% by SDS-PAGE gel and HPLC analyses. |
| Endotoxin concentration | <1 EU/µg |
| Activity | Determined by a cell proliferation assay using Balb/c 3T3 cells. The expected ED50 is 0.1 ng/ml, corresponding to a specific activity of 1 x 10^7 units/mg. |
| Conjugate | Unconjugated |
| Form | Lyophilized |
| Purification | purified |
| Contains | no preservative |
| Storage conditions | -20°C |

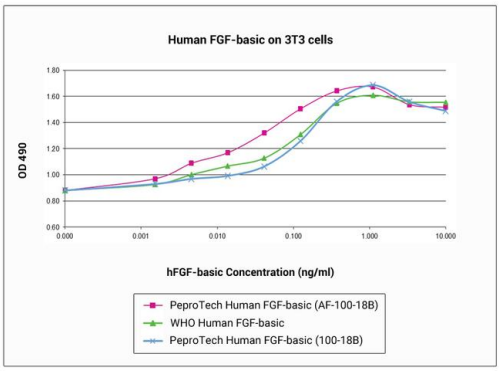
| Applications | Tested Dilution | Publications |
|---|---|---|
| Western Blot (WB) | Assay-dependent | 3 Publications |
| ELISA (ELISA) | Assay-dependent | 2 Publications |
| Immunoprecipitation (IP) | - | 1 Publication |
| Functional Assay (Functional) | Assay-dependent | - |
| Radioimmune Assays (RIA) | - | 1 Publication |
| Control (Ctrl) | - | 1 Publication |
| In vitro Assay (IV) | - | 1419 Publications |
| Miscellaneous PubMed (Misc) | - | 207 Publications |
| Immunostaining (IS) | - | 1 Publication |

### Product Specific Information

Recombinant Human FGF-basic is a 17.2 kDa protein consisting of 154 amino acid residues. Qualified for stem cell use.

This product is shipped at ambient temperature. For storage, handling and reconstitution information, please see the lot-specific Certificate of Analysis

## Product Images For Human FGF-basic (FGF-2/bFGF) (154 aa) Recombinant Protein, PeproTech®




**Human FGF-basic (FGF-2/bFGF) (154 aa) Protein (100-18B-50UG) in Functional**
Bioassay analysis of Human FGF-basic (FGF-2/bFGF) (154 aa) Recombinant Protein, PeproTech® (Product # 100-18B-1MG).

## 1635 References

### Western Blot (3)

**Proceedings of the National Academy of Sciences of the United States of America**

**Injectable fibroblast growth factor-2 coacervate for persistent angiogenesis.**

Authors: Chu H,Gao J,Chen CW,Huard J,Wang Y

**Year**
2011

**Blood**

**FGF2 posttranscriptionally down-regulates expression of SDF1 in bone marrow stromal cells through FGFR1 IIIc.**

Authors: Nakayama T,Mutsuga N,Tosato G

**Year**
2007

**Species**
Mouse

View more WB references on thermofisher.cn

### ELISA (2)

**Scientific reports**

**Generation and functional characterization of a single-chain variable fragment (scFv) of the anti-FGF2 3F12E7 monoclonal antibody.**

Authors: de Aguiar RB,da Silva TA,Costa BA,Machado MFM,Yamada RY,Braggion C,Perez KR,Mori MAS,Oliveira V,de Moraes JZ

**Year**
2021

**Species**
Human

**Advanced functional materials**

**Sulfated hydrogel matrices direct mitogenicity and maintenance of chondrocyte phenotype through activation of FGF signaling.**

Authors: Öztürk E,Arlov Ø,Aksel S,Li L,Ornitz DM,Skjåk-Bræk G,Zenobi-Wong M

**Year**
2016

### More applications with references on thermofisher.cn

IP (1) RIA (1) Ctrl (1) IV (1419) Misc (207) IS (1)

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