

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

Product Details	
Size	1 mg
Species	Human
Published Species	Avian, Rat, Pig, Non-human primate, Virus, Mammal, 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 $1 \times 10^7$ units/mg.
Conjugate	Unconjugated
Form	Lyophilized
Purification	HPLC, SDS-PAGE
Contains	no preservative
Storage conditions	-20°C

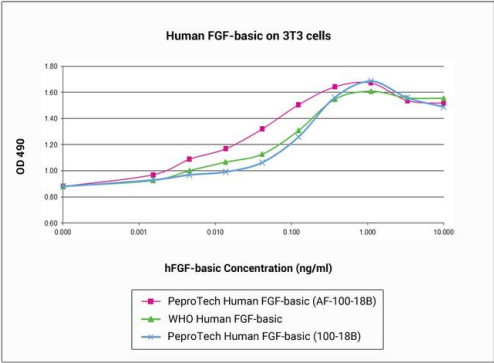
Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	3 Publications
ELISA (ELISA)	Assay-dependent	2 Publications
Immunoprecipitation (IP)	-	1 Publication
Functional Assay (FN)	Assay-dependent	-
Radioimmune Assays (RIA)	-	1 Publication
In vitro Assay (IV)	-	1325 Publications
Miscellaneous 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-1MG) in FN**  
Bioassay analysis of Human FGF-basic (FGF-2/bFGF) (154 aa) Recombinant Protein, PeproTech® (Product # 100-18B-1MG).

1540 References

Western Blot (3)

<p>Proceedings of the National Academy of Sciences of the United States of America</p> <p><b>Injectable fibroblast growth factor-2 coacervate for persistent angiogenesis.</b></p> <p>Authors: Chu H,Gao J,Chen CW,Huard J,Wang Y</p>	<p>Year 2011</p>
<p>Blood</p> <p><b>FGF2 posttranscriptionally down-regulates expression of SDF1 in bone marrow stromal cells through FGFR1 IIIc.</b></p> <p>Authors: Nakayama T,Mutsuga N,Tosato G</p>	<p>Year 2007</p> <p>Species Mouse</p>

View more WB references on thermofisher.com

ELISA (2)

<p>Scientific reports</p> <p><b>Generation and functional characterization of a single-chain variable fragment (scFv) of the anti-FGF2 3F12E7 monoclonal antibody.</b></p> <p>Authors: de Aguiar RB,da Silva TA,Costa BA,Machado MFM,Yamada RY,Braggion C,Perez KR,Mori MAS,Oliveira V,de Moraes JZ</p>	<p>Year 2021</p> <p>Species Human</p>
<p>Advanced functional materials</p> <p><b>Sulfated hydrogel matrices direct mitogenicity and maintenance of chondrocyte phenotype through activation of FGF signaling.</b></p> <p>Authors: Öztürk E,Arlov Ø,Aksel S,Li L,Ornitz DM,Skjåk-Bræk G,Zenobi-Wong M</p>	<p>Year 2016</p>

More applications with references on thermofisher.com

- IP (1)
- RIA (1)
- IV (1325)
- Misc (207)
- IS (1)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.