

Human FGF-basic (FGF-2/bFGF) (aa 1-155) Recombinant Protein

Product Details

Size	100 µg
Species	Human
Published Species	Human
Expression system	E. coli
Amino acid sequence	Human FGF-basic, amino acids Met134-Ser288 with C211S and C229S substitutions and an N-terminal Gly-His
Molecular weight	17.2 kDa
Class	Recombinant
Type	Protein
Purity	>95% by SDS-PAGE
Endotoxin concentration	<0.1 ng/µg
Activity	ED50 = 0.1 - 1.0 ng/mL; determined by the dose-dependent proliferation of BALB/3T3 cells.
Conjugate	Unconjugated
Form	Lyophilized
Purification	sequential chromatography
Contains	no preservative
Storage conditions	4° C

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
Immunohistochemistry (IHC)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	-
Functional Assay (FN)	Assay-dependent	1 Publication
Control (Ctrl)	Assay-dependent	-
Miscellaneous PubMed (Misc)	-	25 Publications

Product Specific Information

Carrier-Free

Reconstitution: Centrifuge the vial briefly, before opening to bring the contents to the bottom. Reconstitute the lyophilized protein in sterile, distilled water to a concentration of 0.1-0.5 mg/mL. Apportion the reconstituted protein into working aliquots and store at -20°C. Make any further dilutions of the reconstituted protein in medium, or buffered solution containing carrier protein (e.g., PBS with 0.1% BSA).

Storage: Store the lyophilized protein at 2-8°C, preferably desiccated. Upon reconstitution, apportion into working aliquots and store at -20°C (not in a frost-free freezer). Avoid repeated freeze-thaw cycles.

Functional Assay (1)

Neuron	Year 2017
iPSC-Derived Human Microglia-like Cells to Study Neurological Diseases.	Species Human
Authors: Abud EM,Ramirez RN,Martinez ES,Healy LM,Nguyen CHH,Newman SA,Yeromin AV,Scarfone VM,Marsh SE, Fimbres C,Caraway CA,Fote GM,Madany AM,Agrawal A,Kayed R,Gyllys KH,Cahalan MD,Cummings BJ,Antel JP, Mortazavi A,Carson MJ,Poon WW,Blurton-Jones M	Dilution 50 ng/mL

Miscellaneous PubMed (25)

Redox biology	Year 2021
Regulation of PD-L1 expression in K-ras-driven cancers through ROS-mediated FGFR1 signaling.	
Authors: Glorieux C,Xia X,He YQ,Hu Y,Cremer K,Robert A,Liu J,Wang F,Ling J,Chiao PJ,Huang P	

Journal of extracellular vesicles	Year 2020
Molecular subtypes and differentiation programmes of glioma stem cells as determinants of extracellular vesicle profiles and endothelial cell-stimulating activities.	
Authors: Spinelli C,Montermini L,Meehan B,Brisson AR,Tan S,Choi D,Nakano I,Rak J	

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