

# Product Datasheet

## Recombinant Human FGF basic/FGF2/bFGF Protein NBP2-34921-10ug

Unit Size: 10ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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**NBP2-34921-10ug**

Recombinant Human FGF basic/FGF2/bFGF Protein

Product Information	
Unit Size	10ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	5% Trehalose
Reconstitution Instructions	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-0.3 mg/mL.
Purity	>95%, by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered concentrated solution in 20 mM Tris-HCl, 150 mM NaCl, 0.02% Tween-20, pH 7.6.
Target Molecular Weight	16.5 kDa

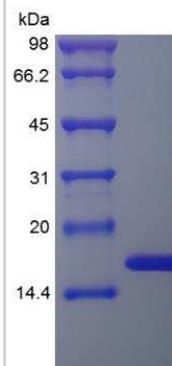
Product Description	
Description	A single non-glycosylated polypeptide chain containing 147 amino acids corresponding to FGF basic/FGF2/bFGF <b>Source:</b> <i>E. coli</i>  <b>Uniprot ID:</b> P09038  <b>Amino Acid Sequence:</b> MPALPEDGGS GAFPPGHFKD PKRLYCKNGG FFLRIHPDGR VDGVREKSDP HIKLQLQAE E RGVVSIKVC ANRYLAMKED GRLASKCVT DECFFFERLE SNNYNTYRSR KYTSWYVALK RTGQYKLGSK TGPGQKAILF LPMSAKS
Gene ID	2247
Gene Symbol	FGF2
Species	Human
Details of Functionality	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine balb/c 3T3 cells is less than 0.05 ng/ml, corresponding to a specific activity of $> 2.0 \times 10^7$ IU/mg.
Endotoxin Note	Less than 1 EU/ug of FGF basic/FGF2/bFGF as determined by LAL method.

Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity



## Images

SDS-Page: Human FGF basic/FGF2 Protein [NBP2-34921]



## Publications

Lovric A, Rassolie A, Alam S et al. Single-cell sequencing deconvolutes cellular responses to exercise in human skeletal muscle *Communications biology* 2022-10-22 [PMID: 36273106]

Li Y, IbaNez D, Fan W et al. Generation of an induced pluripotent stem cell line (GIBHi004-A) from a Parkinson's disease patient with mutant DJ-1/PARK7 (p.L10P) *Stem Cell Research* 2020-05-01 [PMID: 32534165] (Human)

Tariq M, Liu H, IbaNez D et al. Generation of three induced pluripotent stem cell lines from a Parkinson's disease patient with mutant PARKIN (p. C253Y) *Stem Cell Research* 2020-04-01 [PMID: 32387897]

Abdul M, IbaNez D, Zhao P et al. Generation of an induced pluripotent stem cell line (GIBHi003-A) from a Parkinson's disease patient with mutant PINK1 (p. I368N) *Stem Cell Research* 2019-10-01 [PMID: 31778937]

Nikolaou S, Hadjikyprri X, Ioannou G et al. Functional and phenotypic distinction of the first two trophoblast subdivisions and identification of the border between them during early postimplantation: A prerequisite for understanding early patterning during placentogenesis. *Biochem Biophys Res Commun* 2018-01-29 [PMID: 29305264]

Chao Feng, Jie Li, Jinlan Ruan, Kan Ding. MicroRNA-125a inhibits cell growth by targeting glypican-4. *Glycoconj J* 2012-10-01 [PMID: 22644326]

Li X, Wang Z, Jiang Z et al. Regulation of seminiferous tubule-associated stem Leydig cells in adult rat testes. *Proc. Natl. Acad. Sci. U.S.A.* 2016-03-08 [PMID: 26929346]



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### **Products Related to NBP2-34921-10ug**

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NBP2-35152-10ug	Recombinant Mouse FGF basic/FGF2/bFGF Protein
236-EG-200	EGF [Unconjugated]
233-FB-025	FGF basic/FGF2/bFGF [Unconjugated]
210-TA-005	TNF-alpha [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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