

# Product Datasheet

## Recombinant Rat FGF basic/FGF2/bFGF Protein NBP2-35239-10ug

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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### Publications: 1

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**NBP2-35239-10ug**

Recombinant Rat 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	No Preservative
Reconstitution Instructions	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
Purity	> 98 % pure by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered solution in PBS, pH 7.4.
Target Molecular Weight	16.4 kDa

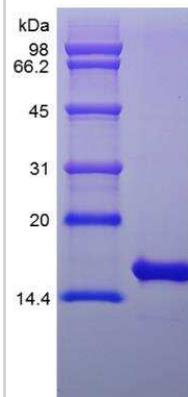
Product Description	
Description	A single non-glycosylated polypeptide chain containing 146 amino acids corresponding to FGF basic/FGF2/bFGF <b>Source:</b> <i>E. coli</i>  <b>Uniprot ID:</b> <i>P13109</i>  <b>Amino Acid Sequence:</b> <i>MPALPEDGGG AFPPGHFKDP KRLYCKNGGF FLRIHPDGRV DGVREKSDPH VKLQLQAEER GVVSIGVCA NRYLAMKEDG RLLASKCVTE ECFFFERLES NNYNTYRSRK YSSWYVALKR TGQYKLGSKT GPGQKAILFL PMSAKS</i>
Gene ID	2247
Gene Symbol	FGF2
Species	Rat
Details of Functionality	FGF basic/FGF2/bFGF protein is 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 0.2 ng/ml, corresponding to a specific activity of >5.0 x 10 <sup>6</sup> 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: Rat FGF basic/FGF2 Protein [NBP2-35239]



## Publications

Bo Lv, Yue Wang, Wei Chen. Preparation, characterization, and bioactivity of chitosan microspheres containing basic fibroblast growth factor. *Journal of Nanomaterials* 2014-05-19



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### **Products Related to NBP2-35239-10ug**

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NBP2-34921-10ug	Recombinant Human 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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