

# Product Datasheet

## Recombinant Human FGF-4 Protein NBP2-34864-5ug

Unit Size: 5ug

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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**NBP2-34864-5ug**

Recombinant Human FGF-4 Protein

Product Information	
Unit Size	5ug
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 0.1-1.0mg/mL.
Purity	>95%, by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered concentrated solution in 1 x PBS, 350 mM NaCl, 0.02% Tween-20, pH 7.0.
Target Molecular Weight	19.8 kDa

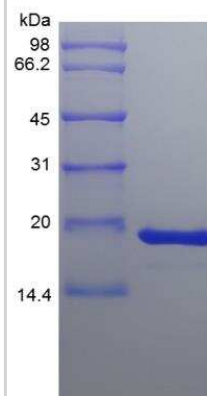
Product Description	
Description	A single non-glycosylated polypeptide chain containing 182 amino acids corresponding to FGF-4 <b>Source:</b> <i>E. coli</i>  <b>Uniprot ID:</b> P08620  <b>Amino Acid Sequence:</b> GRGGAAAPTA PNGTLEAELE RRWESLVALS LARLPVAAQP KEAAVQSGAG DYLLGIKRLR RLYCNVGIGF HLQALPDGRI GGAHADTRDS LLELSPVERG VVSIFGVASR FFVAMSSK GK LYGSPFFTDE CTFKEILLPN NYNAYESYKY PGMFIALSKN GKTKKGNRVS PTMKVTHFLP RL
Gene ID	2249
Gene Symbol	FGF4
Species	Human
Details of Functionality	Fibroblast Growth Factor 4 protein is fully biologically active when compared to standard. The ED50 as determined by thymidine uptake assay using FGF-receptors transfected BaF3 cells is less than 0.5 ng/ml, corresponding to a specific activity of > 2.0 x 10 <sup>6</sup> IU/mg.
Endotoxin Note	Less than 1 EU/ug of FGF-4 as determined by LAL method.

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



## Images

SDS-Page: Human FGF-4 Protein [NBP2-34864]



## 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]



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### **Products Related to NBP2-34864-5ug**

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NBP1-83291PEP	FGF-4 Recombinant Protein Antigen
236-EG-200	EGF [Unconjugated]
235-F4-025	FGF-4 [Unconjugated]
DVE00	VEGF [HRP]

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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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