

# Product Datasheet

## Recombinant Mouse FGF18 Protein NBP2-35028-5ug

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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**NBP2-35028-5ug****Recombinant Mouse FGF18 Protein**

<b>Product Information</b>	
<b>Unit Size</b>	5ug
<b>Concentration</b>	Lyoph
<b>Storage</b>	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.
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	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.
<b>Purity</b>	>95%, by SDS-PAGE and HPLC
<b>Buffer</b>	Lyophilized from a 0.2 um filtered concentrated solution in PBS, pH 7.4, 500 mM NaCl.
<b>Target Molecular Weight</b>	21 kDa

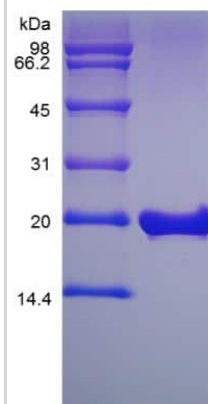
<b>Product Description</b>	
<b>Description</b>	<p>A single non-glycosylated polypeptide chain containing 180 amino acids corresponding to FGF18 <b>Source:</b> <i>E. coli</i></p> <p><b>Uniprot ID:</b> O89101</p> <p><b>Amino Acid Sequence:</b> EENVDFRIHV ENQTRARDDV SRKQLRLYQL YSRTSGKHIQ VLGRRISARG EDGDKYAQLL VETDTFGSQV RIKGKETEFY LCMNRKGKLV GKPDGTSKEC VFIEKVLNN YTALMSAKYS GWYVGFTKKG RPRKGPKTRE NQQDVHFMKR YPKGQAE LQK PFKYTTVTKR SRRIRPTHPG</p>
<b>Gene ID</b>	8817
<b>Gene Symbol</b>	FGF18
<b>Species</b>	Mouse
<b>Details of Functionality</b>	FGF18 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.
<b>Endotoxin Note</b>	Less than 1 EU/ug of FGF18 as determined by LAL method.

<b>Product Application Details</b>	
<b>Applications</b>	SDS-Page, Bioactivity
<b>Recommended Dilutions</b>	SDS-Page, Bioactivity



## Images

SDS-Page: Mouse FGF18 Protein [NBP2-35028]



## Publications

Guidi R, Xu D, Choy DF et al. Steroid-induced fibroblast growth factors drive an epithelial-mesenchymal inflammatory axis in severe asthma Science translational medicine 2022-04-20 [PMID: 35442706]



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### **Products Related to NBP2-35028-5ug**

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NBP2-35296-5ug	Recombinant Rat FGF18 Protein
DVE00	VEGF [HRP]
8988-F18-050	FGF18 [Unconjugated]
233-FB-025	FGF basic/FGF2/bFGF [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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