

# Product Datasheet

## Recombinant Mouse FGF-8 Protein NBP2-35033-5ug

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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**NBP2-35033-5ug****Recombinant Mouse FGF-8 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>	> 97 % pure 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>	28.1 kDa

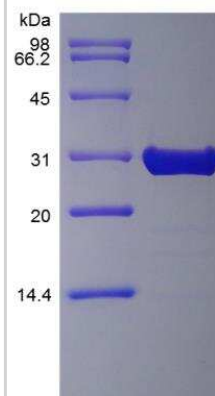
<b>Product Description</b>	
<b>Description</b>	<p>A single non-glycosylated polypeptide chain containing 246 amino acids corresponding to FGF-8 <b>Source:</b> <i>E. coli</i></p> <p><b>Uniprot ID:</b> P37237</p> <p><b>Amino Acid Sequence:</b> QVRSAAQKRG PGAGNPADTL GQGHEDRPFG QRSRAGKNFT NPAPNYPEEG SKEQRDSVLP KVTQRHVREQ SLVTDQLSRR LIRTYQLYSR TSGKHVQVLA NKRINAMAED GDPFAKLIVE TDTFGSRVRV RGAETGLYIC MNKKGKLIK SNGKGKDCVF TEIVLENNYT ALQNAKYEGW YMAFTRKGRP RKGSKTRQH Q REVHFMKRLP RGHHTTEQSL RFEFLNYPPF TRSLRGSQRT WAPEPR</p>
<b>Gene ID</b>	2253
<b>Gene Symbol</b>	FGF8
<b>Species</b>	Mouse
<b>Details of Functionality</b>	FGF-8 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 5.0 ng/ml, corresponding to a specific activity of > 2.0 x 10 <sup>5</sup> IU/mg in the presence of 10 ug/ml of heparin
<b>Endotoxin Note</b>	Less than 1 EU/ug of FGF-8 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 FGF-8 Protein [NBP2-35033]



## Publications

Prashan Z, Jiang L, Omar T et al. Delta-like ligand 4-mediated Notch signaling controls proliferation of second heart field progenitor cells by regulating Fgf8 expression Development 2020-09-11 [PMID: 32778568]



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### **Products Related to NBP2-35033-5ug**

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233-FB-025	FGF basic/FGF2/bFGF [Unconjugated]
423-F8-025	FGF-8 [Unconjugated]
314-BP-010	BMP-4 [Unconjugated]
NB300-109	Tyrosine Hydroxylase Antibody

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### **Limitations**

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