

# 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

**Product Information**

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<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

**Product Description**

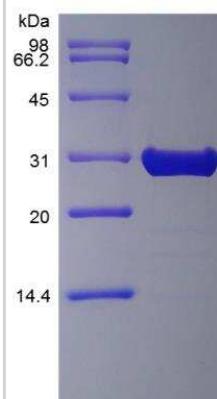
<b>Description</b>	A single non-glycosylated polypeptide chain containing 246 amino acids corresponding to FGF-8 <b>Source:</b> <i>E. coli</i>  <b>Uniprot ID:</b> P37237
	<b>Amino Acid Sequence:</b> QVRSAAQKRG PGAGNPADTL GQGHEDRPFQ QRSRAGKNFT NPAPNYPEEG SKEQRDSVLP KVTQRHVREQ SLVTDQLSRR LIRTYQL YSR TSGKHVQVLA NKRINAMAED GDPFAKLIVE TDTFGSRVVR RGAETGLYIC MNKKGKLIAK SNGKGKDCVF TEIVLENNYT ALQNAKYEGW YMAFTRKGGRP RKGSKTRQHQ REVHFMKRLP RGHHHTTEQSL RFEFLNYPPF TRSLRGSQRT WAPEPR
<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 10^5 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.

**Product Application Details**

<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

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

## 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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