

# Product Datasheet

## Recombinant Mouse FGF basic/FGF2/bFGF Animal-Free Protein

**NBP2-76182-10ug**

Unit Size: 10 ug

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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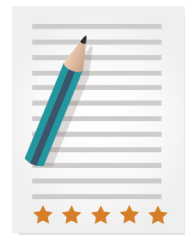
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Updated 10/3/2023 v.20.1

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**NBP2-76182-10ug**

Recombinant Mouse FGF basic/FGF2/bFGF Animal-Free Protein

Product Information	
Unit Size	10 ug
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	Sterile water at 0.1 mg/mL. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.
Purity	>95%, by SDS-PAGE
Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, 50 mM sodium chloride, pH 7.5
Target Molecular Weight	16.5 kDa

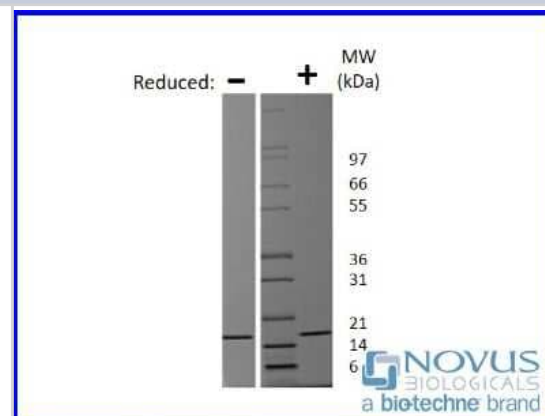
Product Description	
Description	For prolonged storage, dilute to working aliquots.  Expiration Date: 12 months from date of receipt when stored at -20C to -80C as supplied. 1 month when stored at 4C after reconstituting as directed. 3 months when stored at -20C to -80C after reconstituting as directed.
Gene ID	2247
Gene Symbol	FGF2
Species	Mouse
Specificity/Sensitivity	FGF basic/FGF2 is a monomer, 16.5 kDa (146 aa)
Preparation Method	Protein is derived from genetically modified E. coli.
Details of Functionality	NR6R 3T3 proliferation, $>4.0 \times 10^5$ units/mg (ED50 acceptance criteria are $<2.5$ ng/mL).
Endotoxin Note	Acceptance criteria for endotoxin levels are $<1$ EUs/ug protein (determined by Kinetic LAL Method).

Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity
Application Notes	Lot Specific Information: Given endotoxin and ED50 values are acceptance criteria standards. For lot specific values, please contact technical support.

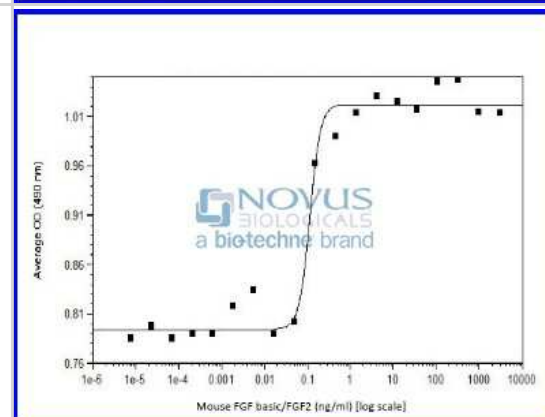


## Images

SDS-Page: Recombinant Mouse FGF basic/FGF2 Animal-Free Protein [NBP2-76182] - 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel.



Bioactivity: Recombinant Mouse FGF basic/FGF2 Animal-Free Protein [NBP2-76182] - FGF-basic/FGF2 induced proliferation of 3T3 cells.





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 1 year from date of receipt.

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