

# Product Datasheet

## Recombinant Human BDNF Animal-Free Protein NBP2-75939-100ug

Unit Size: 100 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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Updated 6/26/2023 v.20.1

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**NBP2-75939-100ug**

Recombinant Human BDNF Animal-Free Protein

**Product Information**

<b>Unit Size</b>	100 ug
<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>	Sterile water at 0.1 mg/mL.
<b>Purity</b>	>95%, by SDS-PAGE
<b>Buffer</b>	Lyophilized from a sterile filtered solution containing 0.1% Trifluoroacetic Acid (TFA)
<b>Target Molecular Weight</b>	27.3 kDa

**Product Description**

<b>Description</b>	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.
<b>Gene ID</b>	627
<b>Gene Symbol</b>	BDNF
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	BDNF is a non-covalent homodimer, 13.6/27.3 kDa (120/240 aa)
<b>Preparation Method</b>	Protein is derived from genetically modified E. coli.
<b>Details of Functionality</b>	Proliferation of a neuroblastoma cell line stably expressing TrkB (BR6), >2.5 x 10 <sup>4</sup> units/mg (ED50 acceptance criteria are <40 ng/mL).
<b>Endotoxin Note</b>	Acceptance criteria for endotoxin levels are <1 EUs/ug protein (determined by Kinetic LAL Method).

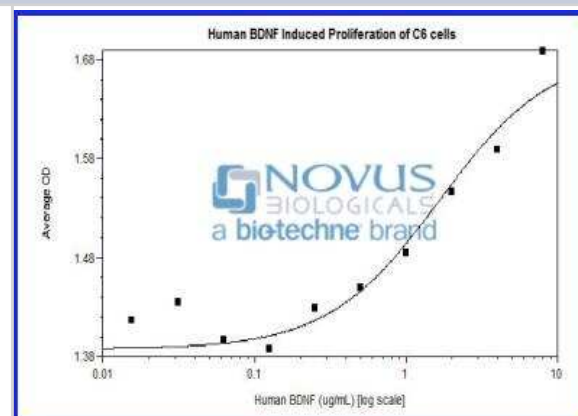
**Product Application Details**

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

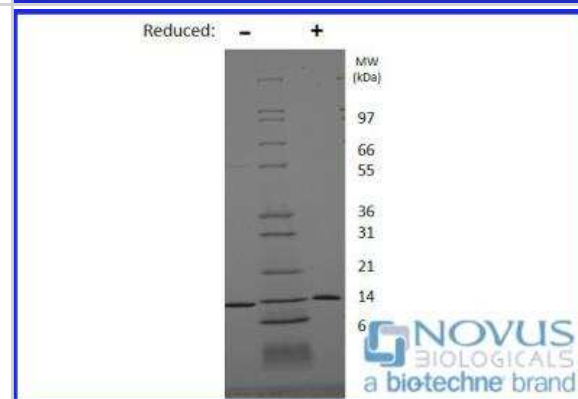


## Images

Bioactivity: Recombinant Human BDNF Animal-Free Protein [NBP2-75939] - BDNF induced proliferation assay.



SDS-Page: Recombinant Human BDNF Animal-Free Protein [NBP2-75939] - 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel.





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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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