

# Product Datasheet

## Recombinant Human alpha-Synuclein Active, Monomer, (Type 1) Protein NBP2-54788-100ug

Unit Size: 1 x 100ug Vials

Store at -80C in the dark. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-54788](http://www.novusbio.com/NBP2-54788)

Updated 6/10/2024 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-54788](http://www.novusbio.com/reviews/destination/NBP2-54788)



**NBP2-54788-100ug**

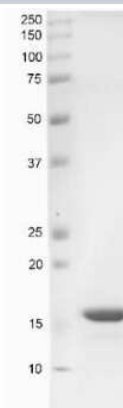
Recombinant Human alpha-Synuclein Active, Monomer, (Type 1) Protein

Product Information	
Unit Size	1 x 100ug Vials
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -80C in the dark. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	Ion exchange chromatography
Buffer	PBS (pH 7.4)
Target Molecular Weight	14.46 kDa
Product Description	
Description	<p>An un-tagged full length Human biologically active Alpha-Synuclein recombinant protein monomer, NCBI Accession #:NP_000336.1.</p> <p><b>Source:</b> <i>E. coli</i></p> <p><b>Amino Acid Sequence:</b></p> <p>MDVFMKGLSKAKEGVVAAAETKQGVAEAAGKTKEGVLYVGSKTKEGVVHGV  ATVAEKTKEQVTNVGGAVVTGVTAVAQKTVEGAGSIAAATGFVKKDQLGKNEE  GAPQEGILEDMPVDPDNEAYEMPSEEGYQDYEPEA</p>
Gene ID	6622
Gene Symbol	SNCA
Species	Human
Details of Functionality	100 uM alpha synuclein protein monomer (NBP2-54788) seeded with 10 uM alpha synuclein PFFs (NBP2-54789) in 25 uM Thioflavin T (PBS pH 7.4, 100 ul reaction volume) generated a fluorescence intensity of 13,000 Relative Fluorescence Units after incubation at 37 degrees C with shaking at 600 rpm for 24 hours. Fluorescence was measured by excitation at 450 nm and emission at 485 nm on a Molecular Devices Gemini XPS microplate reader.
Product Application Details	
Applications	Western Blot, In vitro assay, In vivo assay, SDS-Page, Bioactivity
Recommended Dilutions	Western Blot, In vitro assay, In vivo assay, SDS-Page, Bioactivity

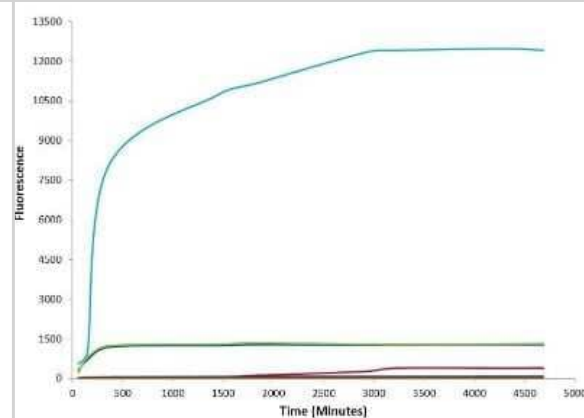


## Images

SDS-Page: Recombinant Human alpha-Synuclein Active, Monomer, (Type 1) Protein [NBP2-54788] - 14kDa Human Recombinant Alpha Synuclein Protein Monomer. Lane 1: Molecular Weight Ladder (MW). Lane 2: Alpha Synuclein Protein Monomer (2 ug).



In vitro assay: Recombinant Human alpha-Synuclein Active, Monomer, (Type 1) Protein [NBP2-54788] - Thioflavin T emission curves show increased fluorescence (correlated to alpha Synuclein protein aggregation) over time when 10 nM of active alpha Synuclein aggregate (NBP2-54789) is combined with 100 uM of active alpha Synuclein monomer (NBP2-54788), as compared to when 100 uM of control alpha Synuclein monomer (NBP2-54786) is combined with 10 nM of active alpha Synuclein aggregate (NBP2-54789). Thioflavin T ex = 450 nm, em = 485 nm.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-54788-100ug**

---

NBP2-54789-100ug	Recombinant Human alpha-Synuclein Active, Pre-formed Fibrils, (Type 1) Protein
BC100-494	PINK1 Antibody - BSA Free
NBP2-15365	alpha-Synuclein Antibody
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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-54788](http://www.novusbio.com/reviews/submit/NBP2-54788)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

