

# Product Datasheet

## Recombinant Human alpha-Synuclein Active, Monomer, (Type 2) Protein NBP2-54786-0.1mg

Unit Size: 0.1 mg

Store at -80C. Avoid freeze-thaw cycles.

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**NBP2-54786-0.1mg**

Recombinant Human alpha-Synuclein Active, Monomer, (Type 2) Protein

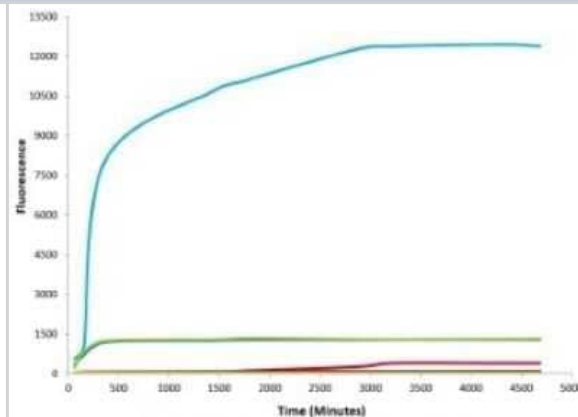
Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -80C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	Ion exchange chromatography
Buffer	PBS (pH 7.4)
Target Molecular Weight	14.46 kDa

Product Description	
Description	<p>An un-tagged full length Human Recombinant Alpha Synuclein Protein Monomer, Accession #: NP_000336.1</p> <p><b>Source:</b> <i>E. coli</i></p> <p><b>Amino Acid Sequence:</b>  MDVFMKGLSKAKEGVVAAAETKQGVAAEAGKTKEGVLYVGSKTKEGVVHGV  ATVAEKTKEQVTNVGGAVVTGVTAVAQKTVEGAGSIAAATGFVKKDQLGKNEE  GAPQEGILEDMPVDPDNEAYEMPSEEGYQDYEPEA</p>
Gene ID	6622
Gene Symbol	SNCA
Species	Human

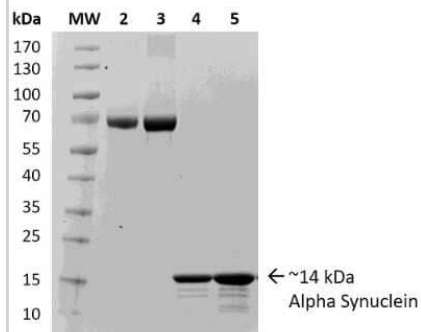
Product Application Details	
Applications	Western Blot, In vitro assay, In vivo assay, SDS-Page, Bioactivity
Recommended Dilutions	Western Blot, In vitro assay, In vivo assay, SDS-Page, Bioactivity
Application Notes	In vitro assay: Active alpha synuclein aggregate (NBP2-54789) seeds the formation of new alpha Synuclein aggregates from the pool of active alpha Synuclein monomers (NBP2-54788). Thioflavin T is a fluorescent dye that binds to beta sheet-rich structures, such as those in alpha Synuclein aggregates. Upon binding, the emission spectrum of the dye experiences a red-shift, and increased fluorescence intensity.

## Images

In vitro assay: Recombinant Human alpha-Synuclein Active, Monomer, (Type 2) Protein [NBP2-54786] - Thioflavin T is a fluorescent dye that binds to beta sheet-rich structures, such as those in alpha synuclein fibrils. Upon binding, the emission spectrum of the dye experiences a red-shift and increased fluorescence intensity. Thioflavin T emission curves



SDS-Page: Recombinant Human alpha-Synuclein Active, Monomer, (Type 2) Protein [NBP2-54786] - SDS-PAGE of ~14 kDa Human Recombinant alpha-Synuclein Protein Monomer (NBP2-54786). Lane 1: Molecular Weight Ladder (MW). Lane 2: BSA (2.5 g). Lane 3: BSA (5 g). Lane 4: alpha-Synuclein Protein Monomer (2.5 g) (NBP2-54786). Lane 5: alpha-Synuclein Protein Monomer (5 g) (NBP2-54786).





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### **Products Related to NBP2-54786-0.1mg**

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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

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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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