

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.

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NBP2-54788-100ug

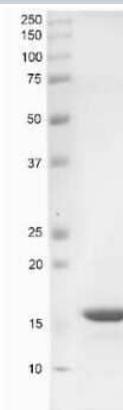
Recombinant Human alpha-Synuclein Active, Monomer, (Type 1) Protein

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>Source: <i>E. coli</i></p> <p>Amino Acid Sequence:</p> <p>MDVFMKGLSKAKEGVVAAAETKQGVAAEAGKTKEGVLYVGSKTKEGVVHGV 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

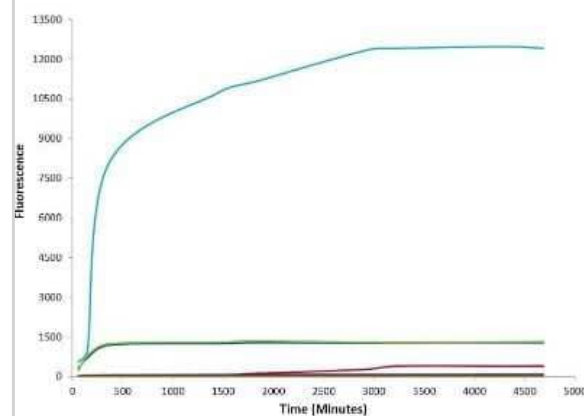


Images

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.





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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

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