

# Recombinant Human Synuclein, Alpha (Non A4 Component of Amyloid Precursor), 1-60

**Cat. No.** SNCA-293H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human $\alpha$ -Synuclein protein produced in E.Coli encodes 60 (1-60) amino acids and has a molecular mass of 6.1 kDa.                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                       |
| <b>Protein Length</b>   | 1-60 a.a.                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | A deletion mutant of $\alpha$ -synuclein (amino acids 1-60), which contains the N-terminal amphipathic domain. Syn1-60 was overexpressed in E. coli and the recombinant protein was purified to apparent homogeneity by using conventional column chromatography techniques. |
| <b>Formulation</b>      | Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 0.1 M NaCl.                                                                                                                                                                                                             |
| <b>Molecular Weight</b> | 6.1 kDa (60 amino acids).                                                                                                                                                                                                                                                    |
| <b>Purity</b>           | >95% by SDS PAGE.                                                                                                                                                                                                                                                            |
| <b>Concentration</b>    | 1 mg/ml (determined by BCA assay).                                                                                                                                                                                                                                           |
| <b>Sequence</b>         | MDVFMKGLSK AKEGVVAAAE KTKQGVAAEA GKTKEGVLYV GSKTKEGVVH<br>GVATVAEKT                                                                                                                                                                                                          |

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**Storage** Store at -20 °C. Avoid freeze/thaw cycles.

## GENE INFORMATION

**Gene Name** SNCA

**Synonyms** SNCA; synuclein, alpha (non A4 component of amyloid precursor); PD1; NACP; PARK1; PARK4; MGC110988; alpha-synuclein, isoform NACP140; Non-A beta component of AD amyloid; Non-A4 component of amyloid precursor; alpha-synuclein; OTTHUMP00000161559; OTTHUMP00000161561; non A-beta component of AD amyloid; synuclein, alpha (non A4 component of amyloid precursor); Synuclein, alpha (non-Abeta component of Alzheimer"s disease amyloid precursor protein: NACP).

**Gene ID** 6622

**mRNA Refseq** NM\_000345.3

**Protein Refseq** NP\_000336.1

**MIM** 163890

**UniProt ID** P37840

**Chromosome Location** 4q21

**Pathway** Alzheimer"s disease; Neurodegenerative Disorders; Parkinson"s disease.

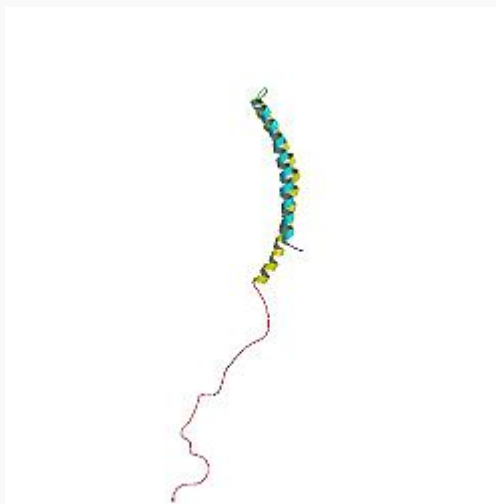
**Function** Hsp70 protein binding; alpha-tubulin binding;dynein binding; histone binding; kinesin binding; tau protein binding; transferrin transmembrane transporter activity.

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PDBrendering based  
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