

# Recombinant Human Synuclein, Alpha (Non A4 Component of Amyloid Precursor), A30P/A53T

Cat. No. SNCA-290H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human $\alpha$ -Synuclein A30P/A53T protein produced in E.Coli encodes 1-140 amino acids and has a molecular mass of 14.5 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-140 a.a.
<b>Description</b>	A Parkinson's disease-related double mutant (A30P/A53T) of $\alpha$ -synuclein. The recombinant protein was purified to apparent homogeneity by taking advantage of the thermosolubility of the protein and 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>	14.5 kDa (140 aa)(Real molecular size on SDS-PAGE will be shift up).
<b>Purity</b>	> 95% by SDS PAGE.
<b>Concentration</b>	1mg/ml (determined by BCA assay).
<b>Sequence</b>	MDVFMKGLSK AKEGVVAAAE KTKQGVAEAP GKTKEGVLYV GSKTKEGVVH GVTTVAEKTK EQVTNVGGAV VTGVTAVAQK TVEGAGSIAA ATGFVKKDQL

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GKNEEGAPQE GILEDMPVDP DNEAYEMPSE EGYQDYEPEA

**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

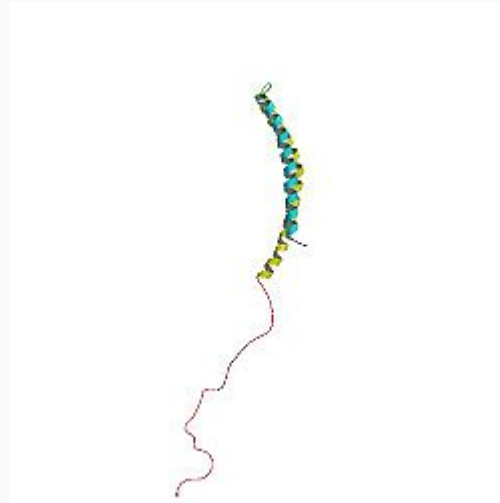
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binding; tau protein binding; transferrin transmembrane transporter activity.

PDBrendering based  
on 1xq8. Available  
structures: 1xq8.



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