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

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

SPECIFICATION

Product Overview	Recombinant Human α-Synuclein A30P/A53T protein produced in E.Coli encodes 1-140 amino acids and has a molecular mass of 14.5 kDa.
Species	Human
Source	E.coli
ProteinLength	1-140 a.a.
Description	A Parkinson's disease-related double mutant (A30P/A53T) of α-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.
Formulation	Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 0.1 M NaCl.
Molecular Weight	14.5 kDa (140 aa)(Real molecular size on SDS-PAGE will be shift up).
Purity	> 95% by SDS PAGE.
Concentration	1mg/ml (determined by BCA assay).
Sequence	MDVFMKGLSK AKEGVVAAAE KTKQGVAEAP GKTKEGVLYV GSKTKEGVVH GVTTVAEKTK EQVTNVGGAV VTGVTAVAQK TVEGAGSIAA ATGFVKKDQL

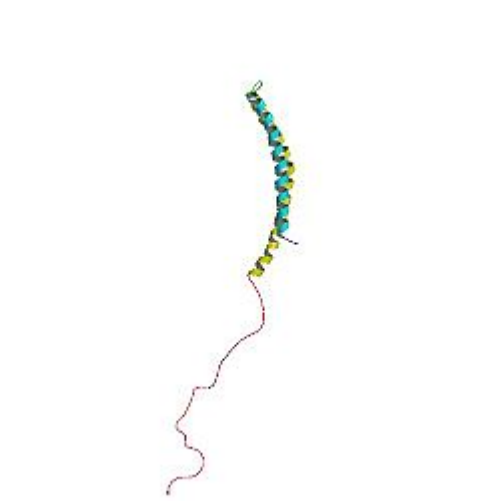
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	GKNEEGAPQE GILEDMPVDP DNEAYEMPSE EGYQDYEPEA
Storage	Store at -20 °C. Avoid freeze/thaw cycles.

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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