

Recombinant Human Synuclein, Alpha (Non A4 Component Of Amyloid Precursor)

Cat. No. SNCA-5126H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SNCA was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	Human
Description	A Parkinsons disease-related point mutant (A53T) of alpha-synuclein. A53T mutant of alpha-synuclein was overexpressed in E. coli and the recombinant protein was purified to apparent homogeneity by taking advantage of the thermosolubility of the protein and by using conventional column chromatography techniques
Concentration	1 mg/ml
Form	Supplied as a liquid in 20mM Tris-HCl buffer, pH 7.5, containing 0.1 M NaCl.
Purity	> 95% by SDS - PAGE
Sequence	MDVFMKGLSK AKEGVVAAAE KTKQGVAEAA GKTKEGVLYV GSKTKEGVVH GVTTVAEKTK EQVTNVGGAV VTGVTAVAQK TVEGAGSIAA ATGFVKKDQL GKNEEGAPQE GILEDMPVDP DNEAYEMPSE EGYQDYEPEA
Molecular Mass	14.4 kDa (140 aa), confirmed by MALDI-TOF. (Molecular weight on SDS-PAGE will appear higher)

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Applications	SDS-PAGE
Storage	Store at 4 deg C for short term storage (1/2 weeks). Aliquot and store at -20 deg C or - 70 deg C for long term storage. Avoid repeated freeze/thaw cycles.
GENE INFORMATION	
Gene Name	SNCA synuclein, alpha (non A4 component of amyloid precursor) [Homo sapiens]
Official Symbol	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
Protein Refseq	NP_000336
MIM	163890
UniProt ID	P37840
Chromosome Location	4q21

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Pathway

Alzheimer"s disease; Neurodegenerative Disorders; Parkinson"s disease

Function

zinc ion binding; tau protein binding; protein binding; phosphoprotein binding; NOT phospholipase D inhibitor activity; NOT fatty acid binding; magnesium ion binding; kinesin binding; identical protein binding; Hsp70 protein binding; histone binding; ferrous iron binding; dynein binding; caspase inhibitor activity; calcium ion binding; arachidonic acid binding; alpha-tubulin binding

**PDBrendering based
on 1xq8.**

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