

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

**Cat. No.** SNCA-5125H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human SNCA was expressed in E. coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	Human
<b>Description</b>	A Parkinson's disease-related point mutant (A30P) of alpha-synuclein. A30P 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.
<b>Concentration</b>	1 mg/ml
<b>Form</b>	Supplied as a liquid in 20mM Tris-HCl buffer, pH 7.5, containing 0.1 M NaCl.
<b>Purity</b>	> 95% by SDS - PAGE
<b>Sequence</b>	MDVFMKGLSK AKEGVVAAAE KTKQGVAEAP GKTKEGVLYV GSKTKEGVVH GVATVAEKTK EQVTNVGGAV VTGVTAVAQK TVEGAGSIAA ATGFVKKDQL GKNEEGAPQE GILEDMPVDP DNEAYEMPSE EGYQDYEPEA
<b>Molecular Mass</b>	14.4 kDa (140 aa), confirmed by MALDI-TOF.

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<b>Applications</b>	SDS-PAGE
<b>Storage</b>	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.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	SNCA synuclein, alpha (non A4 component of amyloid precursor) [ Homo sapiens ]
<b>Official Symbol</b>	SNCA
<b>Synonyms</b>	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)
<b>Gene ID</b>	6622
<b>mRNA Refseq</b>	NM_000345
<b>Protein Refseq</b>	NP_000336
<b>MIM</b>	163890
<b>UniProt ID</b>	P37840
<b>Chromosome Location</b>	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.** Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA