

Recombinant Human Synuclein, Alpha (Non A4 Component of Amyloid Precursor), 1-95

Cat. No. SNCA-295H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human α -Synuclein protein produced in E.Coli encodes 95 (1-95) amino acids and has a molecular mass of 9.3 kDa.
Species	Human
Source	E.coli
ProteinLength	1-95 a.a.
Description	A deletion mutant of α -synuclein (amino acids 1-95), which contains the N-terminal amphipathic domain and NAC region. α -synuclein 1-95 was overexpressed in E. coli and the recombinant protein was purified to apparent homogeneity by using conventional column chromatography techniques.
Formulation	Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 100 mM NaCl.
Molecular Weight	9.3 kDa (95 aa).
Purity	> 95% by SDS – PAGE.
Concentration	1 mg/ml (determined by BCA assay).
Sequence	MDVFMKGLSK AKEGVVAAAE KTKQGVAEAA GKTKEGVLYV GSKTKEGVVH GVATVAEKTK EQVTNVGGAV VTGVTAVAQK TVEGAGSIAA ATGFV

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Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing 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.

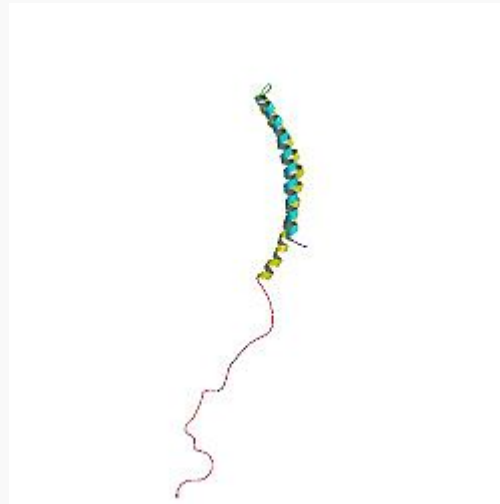
Function Hsp70 protein binding;alpha-tubulin binding;dynein binding;histone binding;kinesin binding;tau protein binding;transferrin transmembrane transporter activity.

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



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