

Active Recombinant Human SNCA Protein

Cat. No. SNCA-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Full Length Human Recombinant Alpha Synuclein Pre-formed Fibrils (Type 1) without tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Alpha-synuclein is a member of the synuclein family, which also includes beta- and gamma-synuclein. Synucleins are abundantly expressed in the brain and alpha- and beta-synuclein inhibit phospholipase D2 selectively. SNCA may serve to integrate presynaptic signaling and membrane trafficking. Defects in SNCA have been implicated in the pathogenesis of Parkinson disease. SNCA peptides are a major component of amyloid plaques in the brains of patients with Alzheimer's disease. Alternatively spliced transcripts encoding different isoforms have been identified for this gene.
Bio-activity	Endogenous alpha-synuclein phosphorylation. 100 μ M alpha synuclein protein monomer seeded with 10 μ M alpha synuclein protein PFF in 25 μ M Thioflavin T (PBS pH 7.4, 100 μ L reaction volume) generated a fluorescence intensity of 13,000 Relative Fluorescence Units after incubation at 37 centigrade with shaking at 600 rpm. Fluorescence was measured by excitation at 450 nm and emission at 485 nm on a Molecular Devices Gemini XPS microplate reader.
AA Sequence	MDVFMKGLSKAKEGVVAAAEKTKQGVAEAAGKTKEGVLYVGSKTKEGVVHGVATV

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	AEKTKEQVTNVGGAVVTGVTAVAQKTVEGAGSIAAATGFVKKDQLGKNEEGAPQE GILEDMPVDPDNEAYEMPSEEGYQDYEPEA
Purity	>95%
Applications	WB, SDS-PAGE, In vivo assay, In vitro assay
Storage	Store at -80 centigrade.
Storage Buffer	PBS
Shipping	Dry Ice.
Full Length	Full L.

GENE INFORMATION

Gene Name	SNCA synuclein alpha [Homo sapiens (human)]
Official Symbol	SNCA
Synonyms	SNCA; synuclein alpha; PD1; NACP; PARK1; PARK4; alpha-synuclein;I+/- synuclein;non A-beta component of AD amyloid;synuclein alpha-140;synuclein, alpha (non A4 component of amyloid precursor);truncated alpha synuclein
Gene ID	6622
mRNA Refseq	NM_000345
Protein Refseq	NP_000336

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MIM	163890
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UniProt ID	P37840
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