

Recombinant Human synuclein, alpha Protein, Tag Free, Fluor 488 Labeled

Cat. No. SNCA-035H **Lot. No.** (See product label)

SPECIFICATION

Product Overview The recombinant human α -synuclein (GenBank Accession # NP_000336) was expressed and purified from E. coli and conjugated with the fluorescence dye Fluor 488. Green fluorescence: Excitation/Emission wavelengths= 490 nm/525 nm

Species Human

Source E.coli

ProteinLength 1-140aa

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.

Tag Non

Conjugation/Label Fluor 488

Form Solution

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Applications	Aggregation/Fibrillation; ELISA; Western Blotting
Usage	Research use
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	1 mg/mL
Storage Buffer	10 mM sodium phosphate buffer (pH=7.0)

GENE INFORMATION

Gene Name	SNCA synuclein, alpha (non A4 component of amyloid precursor) [Homo sapiens (human)]
Official Symbol	SNCA
Synonyms	SNCA; synuclein, alpha (non A4 component of amyloid precursor); PARK1, PARK4, Parkinson disease (autosomal dominant, Lewy body) 4; alpha-synuclein; alpha synuclein; NACP; PD1; synuclein alpha-140; non A-beta component of AD amyloid; PARK1; PARK4; MGC110988
Gene ID	6622
mRNA Refseq	NM_000345
Protein Refseq	NP_000336
MIM	163890
UniProt ID	P37840

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