

Active Recombinant Full Length Human SNCA Protein, Tag Free, Alexa Fluor 488 Labeled

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

SPECIFICATION

Product Overview	Alexa Fluor 488-Labeled Human Alpha-synuclein Protein, Tag Free is expressed from E.coli cells. It contains AA Met 1-Ala 140 (Accession # P37840-1). This protein carries no "tag". Predicted N-terminus: Met 1
Species	Human
Source	E.coli
ProteinLength	1-140 aa
Conjugation/Label	AF488
Description	Alpha-synuclein is a neuronal protein that plays several roles in synaptic activity such as regulation of synaptic vesicle trafficking and subsequent neurotransmitter release. It acts also as a molecular chaperone in its multimeric membrane-bound state, assisting in the folding of synaptic fusion components called SNAREs (Soluble NSF Attachment Protein REceptors) at presynaptic plasma membrane in conjunction with cysteine string protein-alpha/DNAJC5. Abnormalities in alpha-synuclein are implicated in the pathogenesis of Parkinson's disease (PD). Alpha-synuclein is present in Lewy-bodies, the neuropathological hallmark of PD, and the protein and its aggregation have been widely linked to neurotoxic pathways that ultimately lead to neurodegeneration.
Form	Supplied as 0.2

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	µm filtered solution in PBS, pH7.4, 0.03% Proclin300 with trehalose as protectant.
Bio-activity	Immobilized Alexa Fluor 488-Labeled Human Alpha-synuclein Protein, Tag Free at 1 µg/mL (100 µL/well) can bind Synuclein alpha/beta Antibody with a linear range of 0.1-2 ng/mL.
Molecular Mass	The protein has a calculated MW of 14.5 kDa. The protein migrates as 15-17 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE).
Purity	>90% as determined by SDS-PAGE.
Storage	This product is stable after storage at: The product MUST be stored at -70 centigrade or lower upon receipt; -70 centigrade for 3 months under sterile conditions. Please protect from light and avoid repeated freeze-thaw cycles.
Concentration	0.2 mg/mL
Shipping	This product is supplied and shipped with dry ice, please inquire the shipping cost.

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;

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Gene ID	6622
mRNA Refseq	NM_000345
Protein Refseq	NP_000336
MIM	163890
UniProt ID	P37840

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