

Recombinant Full Length Mouse Snca Protein, His Tagged

Cat. No. Snca-11262M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse Alpha-Synuclein Pre-formed Fibrils Protein, His Tag is expressed from E.coli cells. It contains AA Met 1-Ala 140 (Accession # O55042-1). This protein carries a polyhistidine tag at the C-terminus. Predicted N-terminus: Met 1
Species	Mouse
Source	E.coli
ProteinLength	1-140 aa
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 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Specificity	Sterility: Negative

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Molecular Mass	The protein has a calculated MW of 16.4 kDa.
Endotoxin	Less than 1.0 EU/μg by the LAL method/rFC method.
Purity	>95% as determined by SDS-PAGE.
Storage	This product is stable after storage at: The product should be stored at -70 centigrade or room temperature for short storage. Do not store fibrils on ice or at 4 centigrade; The unsonicated fibril is validated to be stable after storage at -70 centigrade for 1 year under sterile conditions; The sonicated fibril should be stored at -70 centigrade for not more than 8 weeks. Please 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 [Mus musculus (house mouse)]
Official Symbol	Snca
Synonyms	SNCA; synuclein, alpha; alpha-synuclein; alpha SYN; non-A4 component of amyloid; non-A beta component of AD amyloid; NACP; alphaSYN;
Gene ID	20617
mRNA Refseq	NM_001042451
Protein Refseq	NP_001035916

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UniProt ID

O55042

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