

Native Human SNCA

Cat. No. SNCA-27342TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SNCA-27342TH is a deletion mutant of human alpha synuclein , which contains the N terminal amphipathic domain.
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 Alzheimers disease. Four alternatively spliced transcripts encoding two different isoforms have been identified for this gene.
Tissue specificity	Expressed principally in brain but is also expressed in low concentrations in all tissues examined except in liver. Concentrated in presynaptic nerve terminals.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20mM Tris HCl, 100mM Sodium chloride, pH 7.5

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MDVFMKGLSK AKEGVVAAAE KTKQGVAEAA GKTKEGVLYV GSKTKEGVVH GVATVAEKTK
Sequence Similarities	Belongs to the synuclein family.

GENE INFORMATION

Gene Name	SNCA synuclein, alpha (non A4 component of amyloid precursor) [Homo sapiens]
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;
Gene ID	6622
mRNA Refseq	NM_000345
Protein Refseq	NP_000336
MIM	163890
Uniprot ID	P37840
Chromosome Location	4q21.3-q22

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Pathway

Alpha-synuclein signaling, organism-specific biosystem; Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Amyloids, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem;

Function

Hsp70 protein binding; alpha-tubulin binding; arachidonic acid binding; calcium ion binding; cysteine-type endopeptidase inhibitor activity involved in apoptotic process;

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