

Native Human SNCA

Cat. No. SNCA-27341TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A deletion mutant: M-KKDQL GK NEEGAPQE G ILEDMPVDPDNEAYEMPSEEGYQDYEP A, corresponding to amino acids 96-140 of Human alpha Synuclein. 46 amino acids, MW 5217 Da. Additional amino acid(Met) is attached at the N-terminus.
Species	Human
Source	E.coli
ProteinLength	96-140 a.a.
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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 0.1M Sodium chloride, 20mM Tris HCl, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequences of amino acids	MKKDQL GKNEEGAPQE GILEDMPVDP DNEAYEMPSE EGYQDYEP EA
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

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Chromosome Location	4q21.3-q22
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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