

Product datasheet for **TP750040**

alpha Synuclein (SNCA) (NM_000345) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human synuclein, alpha (non A4 component of amyloid precursor) (SNCA), transcript variant 1, full length, Tag free, expressed in E. coli, 100ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding human full-length SNCA
Tag:	Tag Free
Predicted MW:	14.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	PBS, pH 7.4
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000336
Locus ID:	6622
UniProt ID:	P37840
RefSeq Size:	1543
Cytogenetics:	4q22.1
RefSeq ORF:	420
Synonyms:	NACP; PARK1; PARK4; PD1



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Summary:

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. [provided by RefSeq, Feb 2016]

Protein Families:

Druggable Genome

Protein Pathways:

Alzheimer's disease, Parkinson's disease