

Product datasheet for SA6002

Alpha-Synuclein / SNCA (A53T Mutant) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Alpha-Synuclein / SNCA (A53T Mutant) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MDVFMKGLSK AKEGWAAA E KTKQGVAEAA GKTKEGVLYV GSKTKEGVH GVTVAEKT EQVTNVGGAV VTGVTAVAQK TVEGAGSIAA ATGFVKKQDL GKNEEGAPQE GILEDMPVDP DNEAYEMPSE EGYQDYEPEA
Predicted MW:	14.490 kDa
Concentration:	lot specific
Purity:	>95% by SDS-PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 7.5) containing 0.1 M NaCl
Preparation:	Liquid purified protein
Protein Description:	A Parkinson's disease-related point mutant (A53T) of alpha-Synuclein. A53T mutant of α -synuclein was overexpressed in E. coli and the recombinant protein was purified to apparent homogeneity by taking advantage of the thermosolubility of the protein and by using conventional column chromatography techniques.
Storage:	Store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000336
Locus ID:	6622
UniProt ID:	P37840
Cytogenetics:	4q22.1
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

Product images: