

Product datasheet for SA6003

Alpha-Synuclein / SNCA (A30P/A53T Mutant) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Alpha-Synuclein / SNCA (A30P/A53T Mutant) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MDVFMKGLSK AKEGWAAA E KTKQGVAEAP GKTKEGVLYV GSKTKEGVVH GVTTVAEKT EQVTNVGGAV VTGVTAVAQK TVEGAGSIAA ATGFVKKDQL GKNEEGAPQE GILEDMPVDP DNEAYEMPSE EGYQDYEPEA
Predicted MW:	14.516 kDa
Purity:	>95% by SDS-PAGE
Buffer:	Presentation State: Purified State: Liquid protein Buffer System: 20 mM Tris-HCl buffer (pH 7.5) containing 0.1 M NaCl
Preparation:	Liquid protein
Protein Description:	A Parkinson's disease-related double mutant (A30P/A53T) of α -synuclein. The recombinant protein was purified to apparent homogeneity by taking advantage of the thermosolubility of the protein and by using conventional column chromatography techniques.
Note:	Real molecular weight on SDS-PAGE will be shift up (see picture below).
Storage:	Store at 2 - 8 °C for up to one month or (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



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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: