

Product datasheet for SA6003

OriGene Technologies, Inc.

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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 AKEGVVAAAE KTKQGVAEAP GKTKEGVLYV GSKTKEGVVH GVTTVAEKTK

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.

RefSeg: NP 000336

Locus ID: 6622

 UniProt ID:
 P37840

 Cytogenetics:
 4q22.1

Synonyms: NACP, PARK1





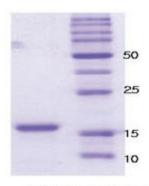
Summary:

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:



15% SDS-PAGE (3ug)