

# Recombinant human alpha-Synuclein (A30P) protein

Catalog Number: SNA2003

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-140aa

### UniProt No.

P37840

### NCBI Accession No.

NP\_000336.1

### Alternative Names

SNCA, NACP, PARK1, PARK4, PD1,  $\alpha$ -synuclein Non-A beta component of AD amyloid, Non-A4 component of amyloid precursor, Parkinson disease 4, autosomal dominant Lewy body

## PRODUCT SPECIFICATION

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### Molecular Weight

14.4 kDa (140aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by BCA assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 0.1M NaCl,10% glycerol

### Purity

> 90% by SDS-PAGE

### Tag

Non-Tagged

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

A Parkinson's disease-related point mutant (A30P) of alpha-synuclein. A30P mutant of alpha-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.

### Amino acid Sequence

MDVFMKGLSK AKEGVVAAAE KTKQGVAEAP GKTKEGVLYV GSKTKEGVVH GVATVAEKTQ EQVTNVGGAV VTGVTAVAQK

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TVEGAGSIAA ATGFVKKDQL GKNEEGAPQE GILEDMPVDP DNEAYEMPSE EGYQDYEEPA

## General References

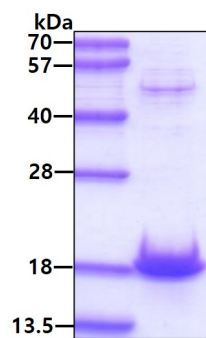
Kruger R., et al. (1998) Nat Genet. 18, 106-108.

Park, SM. et al. (2002) Blood. 100(7),2506-2514

## DATA

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### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.