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## Recombinant human alpha-Synuclein (A30P) protein

Catalog Number: SNA2003

## **PRODUCT INFORMATION**

### **Expression system**

E.coli

#### **Domain**

1-140aa

#### **UniProt No.**

P37840

#### **NCBI Accession No.**

NP 000336.1

## **Alternative Names**

SNCA, NACP, PARK1, alpha-Synuclein, Non-A beta component of AD amyloid, Non-A4 component of amyloid precursor, Alpha synuclein, Alpha-synuclein isoform NACP140, alphaSYN, MGC105443, MGC110988, MGC127560, MGC64356, Non A beta component of AD amyloid, Non A4 component of amyloid precursor, Non-Abeta component of alzheimers disease amyloid, precursor of PARK 1, PARK 4, PARK4, Parkinson disease familial 1, PD 1, PD1, Synuclein alpha,

## PRODUCT SPECIFICATION

## **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**

#### 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



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of the thermosolubility of the protein and by using conventional column chromatography techniques.

## **Amino acid Sequence**

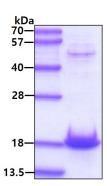
MDVFMKGLSK AKEGVVAAAE KTKQGVAEAP GKTKEGVLYV GSKTKEGVVH GVATVAEKTK EQVTNVGGAV VTGVTAVAQK TVEGAGSIAA ATGFVKKDQL GKNEEGAPQE GILEDMPVDP DNEAYEMPSE EGYQDYEPEA

#### **General References**

Kruger R., et al. (1998) Nat Genet. 18, 106-108. Park, SM. et al. (2002) Blood. 100(7),2506-2514

## **DATA**

### **SDS-PAGE**



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

