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# Recombinant human alpha-Synuclein 112/NACP112 protein

Catalog Number: SNA2005

## **PRODUCT INFORMATION**

### **Expression system**

E.coli

### **Domain**

1-112aa

#### 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

## **Molecular Weight**

11.3 kDa (112aa) 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

#### **Purity**

> 95% 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

An alternatively spliced (103-129) form of alpha-synuclein. alpha-synuclein112 was cloned into an E. coli expression vector by RT-PCR.. 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 KTKOGVAEAA GKTKEGVLYV GSKTKEGVVH GVATVAEKTK EQVTNVGGAV



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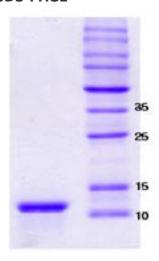
VTGVTAVAQK TVEGAGSIAA ATGFVKKDQL GKEGYQDYEP EA

#### **General References**

ueda K., et al. (1994) Biochem. Biophys. Res. Commun. 205(2):1366-72. Park SM., et al. (2002) Blood. 100(7):2506-2514.

## **DATA**

## **SDS-PAGE**



15% SDS-PAGE (3ug)

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

