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## Recombinant human alpha-Synuclein (Delta-NAC) protein

Catalog Number: SNA2008

#### PRODUCT INFORMATION

## **Expression system**

E.coli

#### **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**

11.9 kDa (111aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

#### 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**

A deletion mutant of alpha-synuclein that lacks the NAC region (amino acid 61-95). alpha-synuclein (deltaNAC) was overexpressed in E. coli and purified to apparent homogeneity by taking advantage of the thermosolubility of the protein and by using conventional column chromatography techniques. 6 amino acids were added as a linker.

#### **Amino acid Sequence**

MDVFMKGLSK AKEGVVAAAE KTKQGVAEAA GKTKEGVLYV GSKTKEGVVH GVATVAEKTK GTEIWMKKDQ LGKNEEGAPQ EGILEDMPVD PDNEAYEMPS EEGYQDYEPE A



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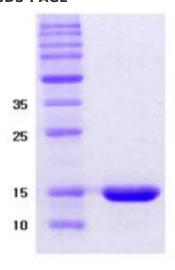
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#### **General References**

ueda., et al. (1993) Proc. Natl.Acad.Sci. 90, 11282-11286.

### **DATA**

#### **SDS-PAGE**



15% SDS-PAGE (3ug)

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

