Recombinant human alpha-Synuclein (61-140aa) protein

Catalog Number: SNA2006

PRODUCT INFORMATION

Expression system
E.coli

Domain
61-140aa

UniProt No.
P37840

NCBI Accession No.
NP_000336.1

Alternative Names
SNCA, NACP, PARK1, PARK4, PD1, α-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
8.4 kDa (81aa) 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 (amino acids 61-140). Syn61-140 was overexpressed in E. coli and was purified to apparent homogeneity by taking advantage of the thermosolubility of protein and by using conventional column chromatography techniques. Additional amino acid (Met) is attached at the N-terminus.

Amino acid Sequence
MEQVTNVGGAV VTGVTAVAQK TVEGAGSIAA ATGFVKKDQL GKNEEGAPQE GILEDMPVDP DNEAYEMPSE EGYQDYEPEA

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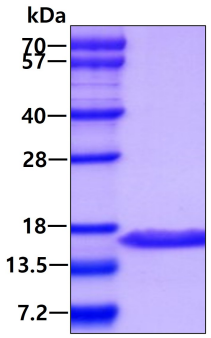
General References

Park SM., et al. (2002) Blood. 100(7):2506-14.
Park SM., et al. (2002) Biochemistry. 41(12):4137-46.

DATA

SDS-PAGE



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