PRODUCT INFORMATION

Expression system E.coli

Domain 1-95aa

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

9.3 kDa (95aa) 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

A deletion mutant of alpha-synuclein (amino acids 1-95), which contains the N-terminal amphipathic domain and NAC region. alpha-synuclein 1-95 was overexpressed in E. coli and the recombinant protein was purified to apparent homogeneity by using conventional column chromatography techniques.

Amino acid Sequence

MDVFMKGLSK AKEGVVAAAE KTKQGVAEAA GKTKEGVLYV GSKTKEGVVH GVATVAEKTK EQVTNVGGAV

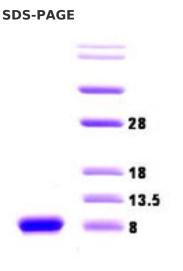


VTGVTAVAQK TVEGAGSIAA ATGFV

General References

ueda K., et al. (1993) Proc. Natl. Acad. Sci. 90, 11282-11286. Jakes., et al. (1994) FEBS Letters 345, 27-32

DATA



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

15% SDS-PAGE (3ug)