Recombinant human alpha-Synuclein (A53T) protein

Catalog Number: SNA2002

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-140aa

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
14.4 kDa (140aa) 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 Parkinson's disease-related point mutant (A53T) of alpha-synuclein. A53T mutant of alpha-synuclein was overexpressed in E. coli and 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 KTKQGVAEAA GKTKEGVLYV GSKTKEGVVH GVTTVAEKTK EQVTNVGGAV VTGVTAVAQK

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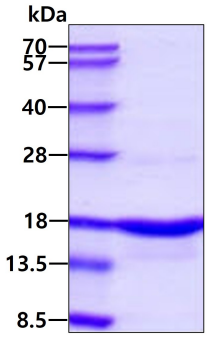
TVEGAGSIAA ATGFVKKDQL GKNEEGAPQE GILEDMPVDP DNEAYEMPSE EGYQDYEPEA

General References

Polymeropoulos MH., et al. (1997) Science. 276, 2045-7.
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.