

Recombinant mouse alpha-Synuclein protein

Catalog Number: ATGP0619

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-140aa

UniProt No.

O55042

NCBI Accession No.

NP_033247

Alternative Names

alpha-Synuclein, Snca, Syn, alpha-Synuclein, NACP, Non-A beta component of AD amyloid, Non-A4 component of amyloid precursor

PRODUCT SPECIFICATION

Molecular Weight

14.4 kDa (140aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing, 10% glycerol

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

Alpha-Synuclein, also known as SNCA, an acidic neuronal protein of 140 amino acids, is extremely heat-resistant and is natively unfolded with an extended structure primarily composed of random coils. alpha-Synuclein has been suggested to be implicated in the pathogenesis of Parkinson. Recombinant mouse alpha-Synuclein, was expressed in E. coli and purified by using conventional chromatography techniques

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Amino acid Sequence

MDVFMKGLSK AKEGVVAAA E KTKQGVAEAA GKTKEGVLYV GSKTKEGVVH GVTTVAEKTQ EQVTNVGGAV VTGVTAVAQK
TVEGAGNIAA ATGFVKKDQM GKGEEGYPQE GILEDMPVDP GSEAYEMPSE EGYQDYEPEA

General References

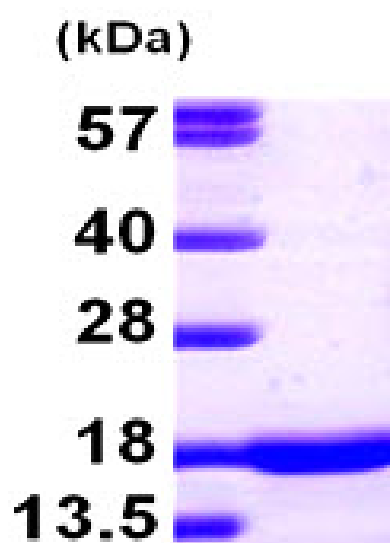
ueda K., et al. (1993) Proc. Natl. Acad. Sci. uSA 90:11282-11286

Kim J., et al. (1997) Molecules and Cells 7:78-83

Jakes R., et al. (1994) FEBS lett. 345:27-32.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)