PRODUCT INFORMATION

Expression system E.coli

Domain 1-140aa

UniProt No. 055042

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



Amino acid Sequence

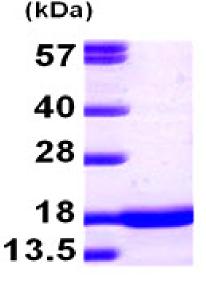
MDVFMKGLSK AKEGVVAAAE KTKQGVAEAA GKTKEGVLYV GSKTKEGVVH GVTTVAEKTK EQVTNVGGAV VTGVTAVAQK TVEGAGNIAA ATGFVKKDQM GKGEEGYPQE GILEDMPVDP GSEAYEMPSE EGYQDYEPEA

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)

