PRODUCT INFORMATION

Expression system E.coli

Domain 1-134aa

UniProt No. Q16143

NCBI Accession No. NP_001001502.1

Alternative Names

Beta-synuclein, SNCB beta-Synuclein, B-synuclein, Phosphoneuroprotein 14, PNP14, Synuclein beta

PRODUCT SPECIFICATION

Molecular Weight

14.2 kDa (134aa) 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 0.1 M NaCl,1mM MgCl2

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

beta-synuclein (amino acids 1-134), an acidic neuronal protein of 134 amino acids, is extremely heat-resistant. beta-synuclin also has a chaperone-like activity. Recently, beta-synuclein has been suggested to inhibit

Amino acid Sequence

MDVFMKGLSM AKEGVVAAAE KTKQGVTEAA EKTKEGVLYV GSKTREGVVQ GVASVAEKTK EQASHLGGAV FSGAGNIAAA TGLVKREEFP TDLKPEEVAQ EAAEEPLIEP LMEPEGESYE DPPQEEYQEY EPEA

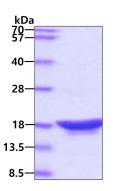


General References

Jakes R., et al. (1994) FEBS lett. 345, 27-32. Kim J., et al. (1997) Molecules and Cells. 7, 78-83. Hashimoto M., et al. (2001) Neuron 32, 213-223.

DATA

SDS-PAGE



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