

Recombinant human beta-Synuclein protein

Catalog Number: SNB2001

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-synuclein also has a chaperone-like activity. Recently, beta-synuclein has been suggested to inhibit

Amino acid Sequence

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

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General References

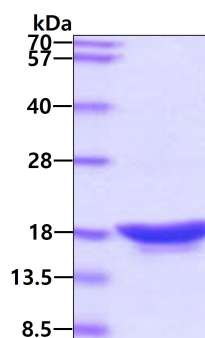
Jakes R., et al. (1994) FEBS lett. 345, 27-32.

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.