

Product information

β -Synuclein, 1-134 aa

Human, Recombinant, *E.coli*

Cat. No. IBSNB2001

Full name: Beta-synuclein

NCBI Accession No.: NP_003076

Synonyms: SNCB

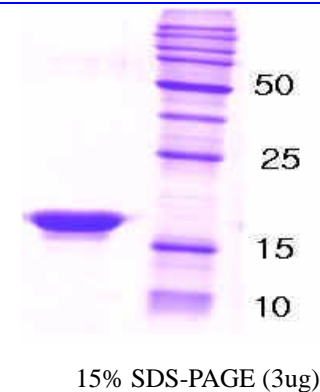
Description: β -synuclein (amino acids 1-134), an acidic neuronal protein of 134 amino acids, is extremely heat-resistant. β -synuclein also has a chaperone-like activity. Recently, β -synuclein has been suggested to inhibit α -synuclein aggregation.

Form: Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 100 mM NaCl
1 mM MgCl₂

Molecular Weight: 14.2 kDa (134 aa) , confirmed by MALDI-TOF
(molecular size on SDS-PAGE will appear higher)

Purity: > 95% by SDS - PAGE

Concentration: 1 mg/ml (determined by BCA assay)



Sequences of amino acids:

MDVFMKGLSM AKEGVVAAA E KTKQGVTEAA EKTKEGVLYV GSKTREGVVQ GVASVAEKTQ 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.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.