

Recombinant Human Synuclein, Beta

Cat. No. SNCB-84H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human β -Synuclein produced in <i>E. Coli</i> is a single, non-glycosylated polypeptide chain having a molecular mass of 14,287 Dalton. The Recombinant Human β -Synuclein is purified by proprietary chromatographic techniques.
Species	Human
Source	E.coli
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 β -synuclein aggregation.
Sequence	DVFMKGLSM AKEGVVAAAE KTKQGVTEAA EKTKEGVLYV GSKTREGVVQ GVASVAEKTQ EQASHLGGAV FSGAGNIAAA TGLVKREEFP TDLKPEEVAQ EAAEEPLIEP LMEPEGESYEDP PQEEYQEY EPEA.
Physical Appearance	Sterile filtered colorless solution.
Purity	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by reducing and non-reducing SDS-PAGE Coomassie.
Formulation	The protein (1mg/ml) contains 20mM Tris-HCl buffer (pH 7.5), 0.1M NaCl and 1mM MgCl ₂ .
Applications	•ELISA• Inhibition Assays• Western Blotting.

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Characterization	On SDS-PAGE commassie blue stained gel, the purified recombinant protein shows a band at 51kDa.
Activity	Not known.
Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

GENE INFORMATION

Gene Name	SNCB synuclein, beta [Homo sapiens]
Synonyms	SNCB; synuclein, beta; Beta-synuclein
Gene ID	6620
mRNA Refseq	NM_001001502
Protein Refseq	NP_001001502
UniProt ID	Q16143
Chromosome Location	5q35
MIM	602569
Function	phospholipase inhibitor activity

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