

## Recombinant Human Synuclein, Beta

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human $\beta$ -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 $\beta$ -Synuclein is purified by proprietary chromatographic techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	$\beta$ -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 $\beta$ -synuclein aggregation.
<b>Sequence</b>	DVFMKGLSM AKEGVVAAAE KTKQGVTEAA EKTKEGVLYV GSKTREGVVQ GVASVAEKTK EQASHLGGAV FSGAGNIAAA TGLVKREEFP TDLKPEEVAQ EAAEEPLIEP LMEPEGESYEDP PQEEYQEY EPEA.
<b>Physical Appearance</b>	Sterile filtered colorless solution.
<b>Purity</b>	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by reducing and non-reducing SDS-PAGE Coomassie.
<b>Formulation</b>	The protein (1mg/ml) contains 20mM Tris-HCl buffer (pH 7.5), 0.1M NaCl and 1mM MgCl <sub>2</sub> .
<b>Applications</b>	•ELISA• Inhibition Assays• Western Blotting.

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<b>Characterization</b>	On SDS-PAGE commassie blue stained gel, the purified recombinant protein shows a band at 51kDa.
<b>Activity</b>	Not known.
<b>Storage</b>	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

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

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