Recombinant Human SNCB, His-tagged

Cat. No. SNCB-246H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human SNCB was expressed in E. coli cells using an N-terminal His tag.
Species	Human
Source	E.coli
Description	SNCB is a member of the synuclein family of proteins which are believed to be involved in the pathogenesis of neurodegenerative diseases. SNCB is highly homologous to alpha-synuclein which is abundantly expressed in the brain and putatively inhibits phospholipase D2 selectively. SNCB may play a role in neuronal plasticity, is abundant in neurofibrillary lesions of patients with Alzheimer disease. SNCB is shown to be highly expressed in the substantia nigra of the brain, a region of neuronal degeneration in patients with Parkinson disease but no direct relation to Parkinson disease has been established. An alteration in SNCB may impair its normal inhibitory action on the formation of toxic alpha-synuclein fibrils, thereby indirectly contributing to disease pathogenesis.
Form	Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Molecular Mass	~19 kDa
Purity	>95% by densitometry

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Applications	Western Blot
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.2 μg/μl
Full Length	Full L.

GENE INFORMATION

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

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