



## Product Datasheet

<b>Product Name</b>	Beta-Synuclein Human Recombinant
<b>Cata No</b>	CB5001015
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	Beta-synuclein, SNCB, $\beta$ -Synuclein.

### Description

b-synuclein (amino acids 1-134), an acidic neuronal protein of 134 amino acids, is extremely heat-resistant. b-synuclein also has a chaperone-like activity. Recently, b-synuclein has been suggested to inhibit a-synuclein aggregation. b and a-synuclein are abundantly expressed in the brain and putatively inhibit phospholipase D2 selectively. The encoded protein, which may play a role in neuronal plasticity, is abundant in neurofibrillary lesions of patients with Alzheimer disease.

Recombinant Human b-Synuclein produced in E.Coli is a single, non-glycosylated polypeptide chain having a molecular mass of 14,287 Dalton. The Recombinant Human b-Synuclein is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered colorless solution.

### Purity

Greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

### Formulation

The protein (1mg/ml) contains 20mM Tris-HCl buffer (pH 7.5), 0.1M NaCl and 1mM MgCl<sub>2</sub>.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

**Avoid multiple freeze-thaw cycles.**

### Sequence

dvfmkglsm akegvvaaae ktkqgvteaa ektkegvlyv  
gsktregvvq gvasvaektk eqashlggav fsgagniaaa  
tglykreefp tdlkpeevaqa eaaeepliep lmepegesye  
dppqeeyqey epea