

**Data Sheet**

<b>Product Name:</b>	N15, Beta-Synuclein, Uniform Label
<b>Catalog #:</b>	S-1102-2
<b>Source:</b>	Recombinant. A DNA sequence encoding the human Beta-synuclein sequence was expressed in E. coli, with N15 as the nitrogen source.
<b>Sequence:</b>	<b>MDVFMKGLSM AKEGVVAAA E KTKQGVTEAA EKTKEGVLYV GSKTREGVVQ GVASVAEKTK EQASHLGGAV FSGAGNIAAA TGLVKREEFP TDLKPEEVAQ EAAEEPLIEP LMEPEGESYE DPPQEEYQEY EPEA</b>
<b>Molecular Mass:</b>	14452Da by Mass Spec
<b>Protein Purity:</b>	>95% by SDS-PAGE and Mass Spec.
<b>Quantity:</b>	1mg
<b>Counter Ion:</b>	Lyophilized in final buffer of 20mM Tris, 100mM NaCl pH 7.4
<b>Supplied As:</b>	White lyophilized powder
<b>Resuspension:</b>	Resuspend in water at conc. of 1 mg/ml. This will give you a final of 20mM Tris, 100mM NaCl pH 7.4
<b>Storage:</b>	-20°C
<b>Description:</b>	Beta-Synuclein ( $\beta$ -synuclein, 134 amino acids) co-localizes with $\alpha$ -synuclein in some brain regions but unlike $\alpha$ -synuclein it is not found in Lewy bodies of Parkinson's disease. It has been shown to inhibit the self aggregation of $\alpha$ -synuclein <sup>1</sup> .
<b>References:</b>	1) Hashimoto, M. et al. (2001) Neuron, 32: 213 2) Jakes, R. et al. (1994) FEBS Letters, 345: 27

**For research use only. Not for use in humans.**