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## **DATA SHEET**

<b>Product Name:</b>	Alpha-Synuclein, E46K
<b>Catalog #:</b>	S-1008
<b>Source:</b>	Recombinant. A DNA sequence encoding the human alpha-synuclein, E46K mutant sequence was expressed in E. coli.
<b>Molecular Mass:</b>	14,459
<b>Protein Purity:</b>	>95% by SDS-PAGE and Mass Spec.
<b>Counter Ion:</b>	Lyophilized in final buffer of 10 mM Tris/HCl, 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 10 mM Tris-HCl, pH 7.4
<b>Storage:</b>	-20°C
<b>Description:</b>	A point mutant (46K) of alpha-synuclein gene that has been linked to autosomal dominant early onset Parkinson's Disease (PD). Alpha-Synuclein ( $\alpha$ -Synuclein) is a 14 kD (140 amino acids) acidic presynaptic protein. It is a major component of PD aggregates and is implicated in the pathogenesis of PD and related neurodegenerative disorders.
<b>References:</b>	1) Zarranz, J.J., et. al. (2004), Ann Neurol. <b>55</b> , 164

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