



"Your R&D Partner"

## **DATA SHEET**

<b>Product Name:</b>	Alpha-Synuclein, A30P
<b>Catalog #:</b>	S-1005
<b>Source:</b>	Recombinant. A DNA sequence encoding the human alpha-synuclein, A30P mutant sequence was expressed in E. coli.
<b>Molecular Mass:</b>	14,486
<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 (A30P) 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) Lashuel, H.A., et. al., (2002), J Mol Biol. <b>322</b> : 1089 2) Park, S.M., et. al., (2002) Blood, <b>100</b> : 2506 3) Polymeropoulos, M.H., et. al., (1997), Science, <b>276</b> : 2045

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

[www.rpeptide.com](http://www.rpeptide.com)

4241 Mars Hill Road • Bogart • Georgia • 30622 • USA  
Tel 678-753-0747 • Fax 678-753-0746 • E-mail [info@rpeptide.com](mailto:info@rpeptide.com)