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## **DATA SHEET**

<b>Product Name:</b>	Gamma-Synuclein
<b>Catalog #:</b>	S-1009-1
<b>Source:</b>	Recombinant. A DNA sequence encoding the human gamma-synuclein sequence was expressed in E. coli.
<b>Molecular Mass:</b>	13,300
<b>Protein Purity:</b>	>95% by SDS-PAGE and Mass Spec.
<b>Counter Ion:</b>	Lyophilized in final buffer of 20 mM Tris/HCl, pH 7.5, 100 mM NaCl
<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 20 mM Tris-HCl, pH 7.5, 100 mM NaCl
<b>Storage:</b>	-20°C
<b>Description:</b>	Gamma-Synuclein (originally known as a breast cancer specific gene product, BCSG1) is an acidic neuronal protein of 127 amino acids. It is up-regulated in the majority of late-stage breast and ovarian cancers. Gamma-synuclein may be a potential marker for both late stage breast and ovarian cancers. More recently, it has been shown that gamma-synuclein promotes cancer cell survival and inhibits stress- and chemotherapy drug-induced apoptosis by modulating MAP kinase pathways.
<b>References:</b>	1) Pan, Z.Z. et al. (2002) J. Biol. Chem, 277: 35050 2) Bruening, W. et al. (2000) Cancer 88: 2154 3) Ji, H. et al. (1997) Cancer Res. 57: 759

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[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)