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DATA SHEET

Product Name:	Gamma-Synuclein
Catalog #:	S-1007
Source:	Recombinant. A DNA sequence encoding the human gamma-synuclein sequence was expressed in E. coli.
Molecular Mass:	13,300
Protein Purity:	>95% by SDS-PAGE and Mass Spec.
Counter Ion:	Lyophilized in final buffer of 20 mM Tris/HCl, pH 7.5, 100 mM NaCl
Supplied As:	White lyophilized powder
Resuspension:	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
Storage:	-20°C
Description:	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.
References:	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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