

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 Da theoretical

Protein Purity: >95% by SDS-PAGE and Mass Spec.

Counter Ion: 20mM Tris-HCl, 100mM NaCl pH 7.4

Supplied As: White lyophilized powder

Resuspension: Resuspend in water at conc. of .1-1 mg/ml. Recommended to briefly centrifuge to ensure full resuspension of product.

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., 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

For research use only. Not for use in humans.