# **PRODUCT INFORMATION**

**Expression system** E.coli

**Domain** 1-127aa

**UniProt No.** 076070

NCBI Accession No. NP\_003078.2

Alternative Names

Synuclein gamma, SNCG, BCSG1, SR, Persyn, PRSN, Synoretin, Breast cancer-specific gene 1, x-synuclein

# **PRODUCT SPECIFICATION**

#### **Molecular Weight**

13.3 kDa (127aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

**Concentration** 1mg/ml (determined by BCA assay)

Formulation Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 0.1M NaCl

**Purity** > 90% by SDS-PAGE

**Endotoxin level** < 1 EU per 1ug of protein (determined by LAL method)

Tag Non-Tagged

Application SDS-PAGE

### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

### Description

gamma-synuclein (Originally known as a breast cancer specific gene product, BCSG1) is an acidic neuronal protein of 127 amino acids. The protein coding region of gamma-synuclein was amplified by RT-PCR and cloned into an E. coli expression vector. gamma-synuclein was overexpressed in E. coli and purified to apparent homogeneity by taking advantage of the thermosolubility of the protein and by using conventional column



chromatography techniques.

### **Amino acid Sequence**

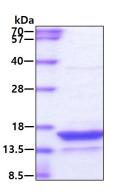
MDVFKKGFSI AKEGVVGAVE KTKQGVTEAA EKTKEGVMYV GAKTKENVVQ SVTSVAEKTK EQANAVSEAV VSSVNTVATK TVEEAENIAV TSGVVRKEDL RPSAPQQEGV ASKEKEEVAE EAQSGGD

### **General References**

Ji H., et al. (1997) Cancer Res. 57(4):759-64.

### DATA

#### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.