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Datasheet for ABIN1692157  
**SNCG Protein (AA 1-127)**

### Overview

Quantity:	50 µg
Target:	SNCG
Protein Characteristics:	AA 1-127
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

### Product Details

Purpose:	Recombinant Human $\gamma$ -Synuclein/SNCG
Sequence:	GSHMDVFKKG FSIAKEGVVG AVEKTKQGVT EAAEKTKEGV MYVGAKTKEN VVQSVTSVAE KTKEQANAVS EAVVSSVNTV ATKTVEEAEN IAVTSGVVRK EDLRPSAPQQ EGEASKEKEE VAEEAQSGGD
Characteristics:	Recombinant Human Gamma-Synuclein/SNCG is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Asp127) of Human SNCG.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

### Target Details

Target:	SNCG
Alternative Name:	SNCG ( <a href="#">SNCG Products</a> )

## Target Details

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**Background:** Gamma-Synuclein (SNCG) is a member of the Synuclein protein family. Gamma-Synuclein is mostly expressed in the peripheral nervous system and retina. Gamma-Synuclein plays a role in neurofilament network integrity and may be involved in modulating axonal architecture during development and in the adult. In addition, it may also function in modulating the keratin network in skin. SNCG expression in breast tumors has been as a marker for tumor progression. SNCG is also believed to be involved in the pathogenesis of neurodegenerative diseases.

Alternative Names: Gamma-Synuclein, Breast Cancer-Specific Gene 1 Protein, Persyn, Synoretin, SR, SNCG, BCSG1, PERSYN, PRSN

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**Molecular Weight:** 13.6kDa

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**UniProt:** [076070](#)

## Application Details

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**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

**Reconstitution:** It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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**Buffer:** Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

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**Handling Advice:** Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

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**Storage:** 4 °C/-20 °C/-80 °C

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**Storage Comment:** Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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**Expiry Date:** 3 months