



# Recombinant Protein Technical Manual

## Recombinant Human $\gamma$ -Synuclein/SNCG Protein

RPES3698

### Product Data:

**Product SKU:** RPES3698

**Size:** 10 $\mu$ g

**Species:** Human

**Expression host:** E. coli

**Uniprot:** O76070

### Protein Information:

**Molecular Mass:** 13.6 kDa

**AP Molecular Mass:** 168 kDa

**Tag:**

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per  $\mu$ g as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2  $\mu$ m filtered solution of 20mM PB,150mM NaCl,pH7.4.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Gamma-Synuclein; Breast Cancer-Specific Gene 1 Protein; Persyn; Synoretin; SR; SNCG; BCSG1; PERSYN; PRSN

## Immunogen Information:

**Sequence:** Met 1-Asp127

## 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.