

# Recombinant mouse gamma-Synuclein protein

Catalog Number: ATGP3677

## PRODUCT INFORMATION

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**Expression system**

E.coli

**Domain**

1-123aa

**UniProt No.**

Q9Z0F7

**NCBI Accession No.**

NP\_035560

**Alternative Names**

Gamma-synuclein, C79089, persyn, Uscropmag-synuclein, C79089, 2, SNCG

## PRODUCT SPECIFICATION

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**Molecular Weight**

15.5 kDa (146aa) Confirmed by MALDI-TOF

**Concentration**

1mg/ml (determined by absorbance at 280nm)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl

**Purity**

&gt; 95% by SDS-PAGE

**Tag**

His-Tag

**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

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**Description**

Sncg, also known as gamma-Synuclein, is an acidic neuronal protein. It plays a role in neurofilament network integrity. This protein activates the MAPK and Elk-1 signal transduction pathway. According to some research, Sncg may play an important role in invasion, infiltration and apoptosis of esophageal cancer and serve as target spots in the targeted therapy of esophageal cancer. Recombinant mouse Sncg, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MDVFKKG FSIAKEGVVG AVEKTKQGVV EAAEKTKEGV MYVGTKTKEN  
VVQSVTSVAE KTKEQANAVS AVVSSVNTV ANKTVEEAEN IVVTTGVVVRK EDLEPPAQDQ EAKEQEENEE AKSGED

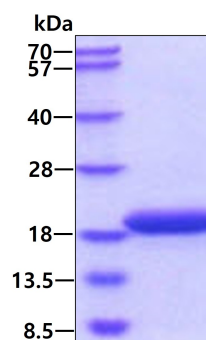
## General References

Ji H., et al. (1997) Cancer Res. 57(4):759-64.  
Luo JH, et al. (2013) Asian Pac J Trop Med. 6(7):516-9.

## DATA

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### SDS-PAGE



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