

# Gamma Synuclein Protein

Active Human Recombinant Gamma Synuclein  
Protein Monomer  
Catalog No. SPR-407



Discovery through partnership | Excellence through quality

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## Product Name

Gamma Synuclein Protein

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## Description

Active Human Recombinant Gamma Synuclein Protein Monomer

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## Applications

WB, SDS-PAGE, In vivo assay, In vitro assay

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## Concentration

Lot/batch specific. See included datasheet.

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## Conjugates

No tag

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## Nature

Recombinant

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## Species

Human

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## Expression System

E. coli

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## Purity

>95%

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## Protein Length

Full Length

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## Field Of Use

Not for use in humans. Not for use in diagnostics or therapeutics. For research use only.

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## Properties

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### Storage Buffer

PBS pH 7.4

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### Storage Temperature

-80°C

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### Shipping Temperature

Dry Ice. Shipping note: Product will be shipped separately from other products purchased in the same order.

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### Purification

Ion-exchange Purified

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### Specificity

13.33 kDa

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### Cite This Product

Human Recombinant Gamma Synuclein Protein (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SPR-407)

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### Certificate Of Analysis

Certified >95% pure using SDS-PAGE analysis.

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## Biological Description

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### Alternative Names

BCSG1 Protein Monomer, Breast cancer specific gene 1 Protein Monomer, Breast cancer specific Protein 1 Monomer, Gamma-synuclein Protein Monomer, Persyn Protein Monomer, PRSN Protein Monomer, SNCG Protein Monomer, SR Protein Monomer, Synoretin Protein Monomer, Synuclein gamma Protein Monomer, SYUG\_HUMAN Protein Monomer

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### Research Areas

Alzheimer's Disease, Neurodegeneration, Neuroscience, Parkinson's Disease, Synuclein, Tangles & Tau

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### Cellular Localization

Centrosome, Cytoskeleton, Perinuclear Region, Spindle

## Accession Number

NP\_003078.2

## Gene ID

6623

## Swiss Prot

O76070

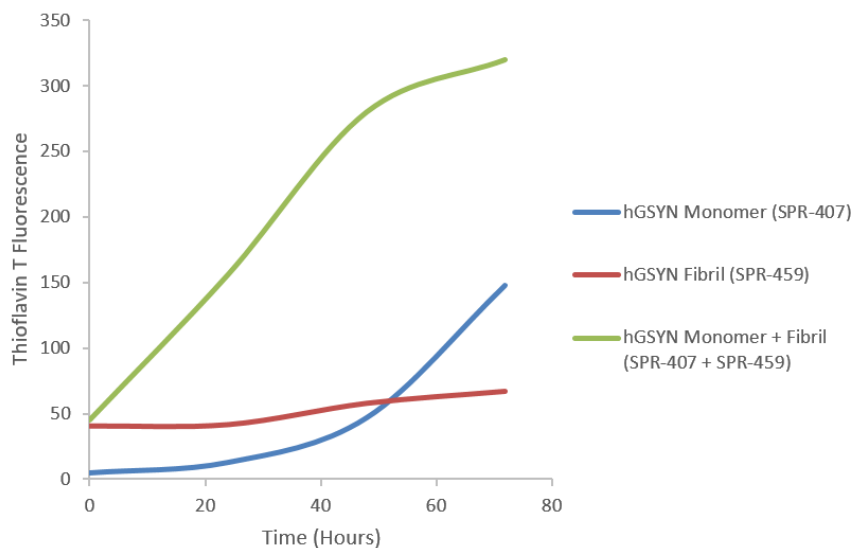
## Scientific Background

Gamma synuclein is a neuronal protein found in peripheral and motor nerve systems. It has been implicated in the hippocampal axon pathology in Parkinson's Disease (1). A change in the expression of gamma synuclein has been observed in the retina of patients with Alzheimer's disease (2). Its expression in breast tumors is also a marker for tumor progression (3).

## References

1. Nishioka K., et al. (2010) Arch Neurol. 67(8): 970-975. 2. Surgucheva I., Newell K.L., Burns J., Surguchov A. (2014) Acta Neuropathol Commun. 2: 132. 3. Bruening. W., et al. (2000) Cancer. 88(9): 2154-2163. 4. Mukaetova-Ladinska E.B., et al. (2008) Dement Geriatr Cogn Disord. 26(1): 32-42.

## Product Images



Thioflavin T is a fluorescent dye that binds to beta sheet-rich structures, such as those in gamma synuclein fibrils. Increased fluorescence (correlated to gamma synuclein fibrillization) is seen when human gamma synuclein monomer (SPR-407) is combined with human gamma synuclein PFFs (SPR-459).

## Product Citations (0)

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Currently there are no citations for this product.

## Reviews

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There are no reviews yet.