

# Beta Synuclein Protein

Active Human Recombinant Beta Synuclein  
Protein Monomer  
Catalog No. SPR-405



Discovery through partnership | Excellence through quality

## Product Name

Beta Synuclein Protein

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## Description

Active Human Recombinant Beta Synuclein Protein Monomer

## Applications

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

## Concentration

Lot/batch specific. See included datasheet.

## Conjugates

No tag

## Nature

Recombinant

## Species

Human

## Expression System

E. coli

## Purity

>95%

## Protein Length

Full Length

## Field Of Use

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

## 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

14.28 kDa

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### Cite This Product

Human Recombinant Beta Synuclein Protein (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog #SPR-405)

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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

14 kDa brain-specific protein, Beta-synuclein Protein, Phosphoneuroprotein 14 Protein, PNP14 Protein, Sncb Protein, Synuclein beta Protein, SYUB\_HUMAN Protein

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### Research Areas

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

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### Cellular Localization

Cytoplasm

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**Accession Number**NP\_001001502.1

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**Gene ID**6620

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**Swiss Prot**Q16143

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**Scientific Background**

Alzheimer's Disease (AD) is the most common neurodegenerative disease, affecting 10% of seniors over the age of 65 (1). It was named after Alois Alzheimer, a German scientist who discovered tangled bundles of fibrils where neurons had once been in the brain of a deceased patient in 1907 (2). Beta synuclein is abundant in neurofibrillary lesions of patients with Alzheimer's Disease. Beta synuclein is suggested to be an inhibitor of alpha synuclein aggregation- protecting the central nervous system from the neurotoxin effects of alpha synuclein (3).

**References**

1. [www.alz.org/alzheimers-dementia/facts-figures](http://www.alz.org/alzheimers-dementia/facts-figures)
  2. Alzheimer, A. Über eine eigenartige Erkrankung der Hirnrinde. Allg. Z. Psychiatr. Psych.-Gerichtl. Med. 64, 146-148 (1907).
  3. Taschenberger G., et al. (2013) Ann Neurol. 74(1): 109-118.
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**Product Images**

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**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.