

Recombinant Mouse Alpha-Synuclein/SNCA Protein

Catalog No.: RP00700 Recombinant

Sequence Information

Species Gene ID Swiss ProtMouse 20617 055042-1

Tags

No tag

Synonyms

Alpha-synuclein; Non-A beta component of AD amyloid; Non-A4 component of amyloidprecursor; NACP; Snca

Product Information

Source Purification
E. coli ≥ 95 % as
determined by SDSPAGE.

Calculated MW Observed MW

14.49 kDa 16-20 kDa

Endotoxin

< 1 EU/µg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.Contact us for customized product form or formulation.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

Alpha-Synuclein (SNCA) is a member of the Synuclein family. SNCA is expressed principally in brain but alsoexpressed in low concentrations in all tissues except liver. SNCA interacts with UCHL1, Phospholipase D andhistones. SNCA can include beta- and gamma-synuclein. In addition, SNCA is an important regulatorycomponent of vesicular transport in neuronal cells. It has been suggested that SNCA is related to thepathogenesis of Parkinson's Disease and neurodegenerative disorders. Defects in SNCA will lead to DementiaLewy Body (DLB).

Basic Information

Description

Recombinant Mouse Alpha-Synuclein/SNCA Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Met1-Ala140) of mouse SNCA/Alpha-Synuclein (Accession #O55042).

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Recombinant Mouse Alpha-Synuclein/SNCA Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.