

## SNCA Mouse

**Description:** SNCA Recombinant Mouse produced in E.Coli is a single, non-glycosylated polypeptide chain containing 140 amino acids (1-140 a.a.) and having a molecular mass of 14.4 kDa. The SNCA is purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-865

For research use only.

**Synonyms:** Alpha-synuclein, Non-A beta component of AD amyloid, Non-A4 component of amyloid precursor, NACP, PD1, PARK1, PARK4, MGC110988, -Synuclein, SNCA, Syn, SNCA.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile filtered colorless solution.

**Amino Acid Sequence:** MDVFMKGLSK AKEGVVAAAE KTKQGVAAEA GKTKEGVLYV  
GSKTKEGVVH GVTTVAEKT EQVTNVGGAV VTGVTAVAQK TVEGAGNIAA ATGFVKKDQM  
KGKEEGYPQE GILEDMPVDP GSEAYEMPSE EGYQDYEPEA.

**Purity:** Greater than 95.0% as determined by SDS-PAGE.

### Formulation:

The SNCA protein contains 20mM Tris-HCl buffer (pH 7.5) and 10% glycerol.

### Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

a-Synuclein (amino acids 1-140), an acidic neuronal protein of 140 amino acids, is extremely heat-resistant and is natively unfolded with an extended structure primarily composed of random coils. a-synuclein has been suggested to be implicated in the pathogenesis of Parkinson's disease and related neurodegenerative disorders, and more recently, to be an important regulatory component of vesicular transport in neuronal cells. Moreover, recent studies have shown that a-synuclein has chaperone activity and that this activity is lost upon removing its C-terminal acidic tail (amino acids 96-140).

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