

## SNCA 61-140 Human

**Description:** A-Synuclein 61-140 Human Recombinant which is a deletion mutant of the a-synuclein amino acids 61-140, produced in E.Coli is a single, non-glycosylated polypeptide chain of 81 amino acids having a molecular mass of 8.4kDa (molecular size on SDS-PAGE will appear higher), with an additional Met attached at the N-terminus. The Recombinant Human a-Synuclein 61-140 is purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-170

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, a-Synuclein, SNCA.

**Source:** Escherichia Coli.

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

**Amino Acid Sequence:** MEQVTNVGGAV VTGVTAVAQK TVEGAGSIAA ATGFVKKDQL GKNEEGAPQE GILEDMPVDP DNEAYEMPSE EGYQDYEPEA.

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

**Formulation:**

The SNCA 61-140 protein solution (1mg/ml) contains 20mM Tris-HCl buffer pH 7.5 and 100mM NaCl.

**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 Parkinsons 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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