
Product Data Sheet

Product Name: SNCA 1-95, Human

Cat. No.: GP26339

Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	withIcePacks

Synonyms SNCA, NACP, PARK1, alpha-Synuclein, Non-A beta component of AD amyloid, Non-A4 component of amyloid precursor, Alpha synuclein, Alpha-synuclein isoform NACP140, alphaSYN, MGC105443, MGC110988, MGC127560, MGC64356, Non A beta component of AD amyloid, Non A4 component of amyloid precursor, Non-A-beta component of alzheimers disease amyloid, precursor of PARK 1, PARK 4, PARK4, Parkinson disease familial 1, PD 1, PD1, Synuclein alpha.

Amino Acid Sequence MDVFMKGLSK AKEGVVAAAE KTKQGVAAEA GKTKEGVLYV GSKTKEGVVH
GVATVAEKTQ EQVTNVGGAV VTGVTAVAQK TVEGAGSIAA ATGFV

Formulation SNCA protein solution (1mg/ml) containing 20 mM Tris-HCl buffer (pH 7.5) and 0.1 M NaCl.

Introduction

Alpha-synuclein or SNCA is a synuclein protein. SNCA mainly found in the brain, small concentration of the protein can also be located in other tissues such as heart and muscle. When looking in the brain tissue, SNCA is located in the end of the neuron, in an area called presynaptic terminal. In the presynaptic terminal SNCA has interaction with phospholipids & other proteins. Neurotransmitters are released from the synaptic vesicles in the Presynaptic terminals and act as messengers. Once released, the neurotransmitters send signals across the neurons that are crucial for the brain's operation.

Stability

Store at 46yC if entire vial will be used within 2-4 weeks. Store, frozen at -206yC for longer periods of time. For long term storage it is recommended to add a carrier protein

Caution: Product has not been fully validated for medical applications. For research use only.

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(0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

SNCA Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 95 amino acids (1-95 a.a.) and having a molecular mass of 9.3kDa. SNCA is purified by proprietary chromatographic techniques.

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