
Product Data Sheet

Product Name: SNCA Mouse
 Cat. No.: GP24629
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Alpha-synuclein; Non-A beta component of AD amyloid; Non-A4 component of amyloid precursor; NACP; PD1; PARK1; PARK4; MGC110988; α -Synuclein; SNCA; Syn; SNCA.		
Amino Acid Sequence	MDVFMKGLSK AKEGVVAAAE KTKQGVAEAA GKTKEGVLYV GSKTKEGVVH GVTTVAEKTQ EQVTNVGGAV VTGVTAVAQK TVEGAGNIAA ATGFVKKDQM GKGEEGYPQE GILEDMPVDP GSEAYEMPSE EGYQDYEPAA.		
Formulation	The SNCA protein contains 20mM Tris-HCl buffer (pH 7.5) and 10% glycerol.		

Introduction

α -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. α -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 α -synuclein has chaperone activity and that this activity is lost upon removing its C-terminal acidic tail (amino acids 96-140).

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.

Background

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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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.

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