



Recombinant Protein Technical Manual

Recombinant Human Alpha-Synuclein/SNCA Protein (Active) RPES4685

Product Data:

Product SKU: RPES4685

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P37840

Protein Information:

Molecular Mass: 14.46 kDa

AP Molecular Mass: 17 kDa

Tag:

Bio-activity: Recombinant Human alpha -Synuclein is ideal for use as a control substrate for in vitro Ubiquitin conjugation using select Ubiquitin E3 ligases such as CHIP/Stub1. Aggregation T1/2 time of 70 µM human alpha -Synuclein protein is 1.07h(0.5 mM SDS).

Purity: > 95% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS,PH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Alpha-Synuclein; Non-A Beta Component of AD Amyloid; Non-A4 Component of Amyloid Precursor; NACP; SNCA; NACP; PARK1

Immunogen Information:

Sequence: Met1-Ala140

Background:

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