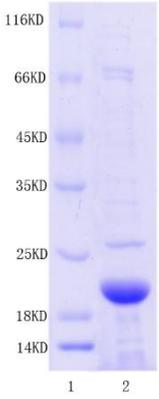

Human SNCA Protein

Cat.#:	TD-P1012	Size:	50ug
Protein Name:	SNCA		
Synonym:	NACP; PARK1; Alpha-synuclein; Non-A beta component of AD amyloid;		
Uniprot No.:	P37840		
Expression System:	E. Coli		
Compound Identity:	SNCA(e1)-his		
Full Length or Truncated:	2-140AA		
Molecular Weight:	16.7 kD		
Form:	freeze-dried powder		
Storage:	-80°C (as supplied)		
Stability:	≥6 months		
Purity:	≥85% estimated by SDS-PAGE		
Supplied in:	1×PBS (pH 7.2)		

Background

Alpha-synuclein (SNCA), with 140-amino acid protein, belongs to the synuclein family, which also includes beta- and gamma-synuclein. SNCA is a soluble protein, expressed principally in the brain but also expressed in low concentrations in all tissues examined (except liver). SNCA is implicated in the regulation of dopamine release and transport. The triplication of the SNCA can cause Parkinson disease (PD) and diffuse Lewy body disease within the same kindred. SNCA peptides are a major component of amyloid plaques in the brains of patients with Alzheimer's disease. Immunohistochemistry for SNCA has become the histological technique of choice for the diagnosis for Parkinson's disease, Dementia with Lewy bodies and Multiple System Atrophy.

SDS-PAGE Validation

12 % SDS-PAGE	Lane Description
 <p>116KD 66KD 45KD 35KD 25KD 18KD 14KD</p> <p>1 2</p>	<p>Lane 1: Protein Marker</p> <p>Lane 2: SNCA(e1)-pQE</p>