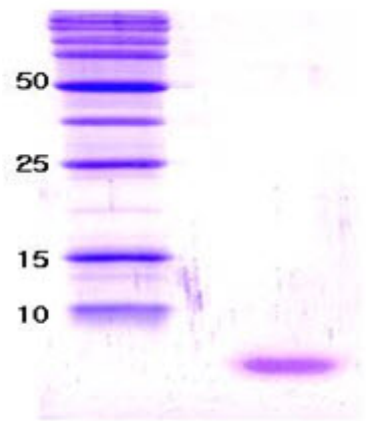


**SA6007****Human Alpha-Synuclein / SNCA (96-140) - Purified**

<b>Alternate names:</b>	NACP, Non-A beta component of AD amyloid, Non-A4 component of amyloid precursor, PARK1
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	Alpha Synuclein is implicated in the regulation of dopamine release and transport. It is a soluble protein, expressed principally in the brain but also expressed in low concentrations in all tissues examined (except liver). In the nervous system, alpha Synuclein is primarily located at presynaptic terminals and is found membrane bound in dopaminergic neurons. It can form filamentous aggregates that are the major non amyloid component of intracellular inclusions in several neurodegenerative diseases (synucleinopathies), including Parkinson's Disease. Alpha Synuclein induces fibrillization of microtubule associated protein tau and reduces neuronal responsiveness to various apoptotic stimuli, leading to a decreased caspase 3 activation. Alpha synuclein is a protein phosphorylated predominantly on serine residues.
<b>Uniprot ID:</b>	<a href="#">P37840</a>
<b>NCBI:</b>	<a href="#">NP_000336.1</a>
<b>GeneID:</b>	<a href="#">6622</a>
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Liquid protein <b>Purity:</b> >95% by SDS-PAGE
<b>Description:</b>	A deletion mutant of $\alpha$ -synuclein (amino acids 96-140). Syn96-140 was overexpressed in E. coli and was purified to apparent homogeneity by taking advantage of the thermosolubility of protein and by using conventional column chromatography techniques. Additional amino acid(Met) is attached at the N-terminus. <b>AA Sequence:</b> MKKDQL GKNEEGAPQE GILEDMPVDP DNEAYEMPSE EGYQDYEP <b>Molecular weight:</b> 5.217 kDa (46 amino acids)
<b>Storage:</b>	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Park, S. M. et al. (2002) Blood, 100(7) 2506-2514. 2. Park SM, Jung HY, Chung KC, Rhim H, Park JH, Kim J. Stress-induced aggregation profiles of GST-alpha-synuclein fusion proteins: role of the C-terminal acidic tail of alpha-synuclein in protein thermosolubility and stability. Biochemistry. 2002 Mar 26;41(12):4137-46. PubMed PMID: 11900557.

Pictures:



15% SDS-PAGE (3ug)