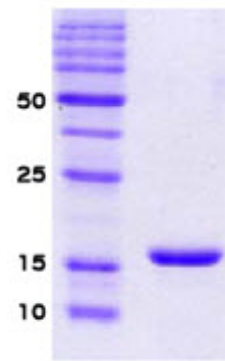


SA6001XFD**Human Alpha-Synuclein / SNCA (1-140) - Purified**

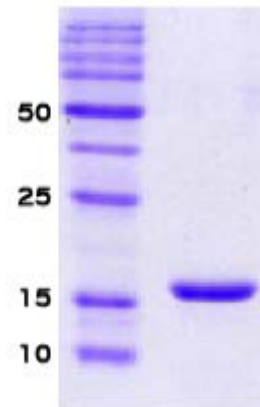
Alternate names:	NACP, Non-A beta component of AD amyloid, Non-A4 component of amyloid precursor, PARK1
Quantity:	1 mg
Background:	Alpha-Synuclein, an acidic neuronal protein, is extremely heat-resistant and is natively unfolded with an extended structure primarily composed of random coils. Alpha-Synuclein 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 alpha-synuclein has chaperone activity and that this activity is lost upon removing its C-terminal acidic tail (amino acids 96-140).
Uniprot ID:	P37840
NCBI:	NP_000336
GenelD:	6622
Species:	Human
Source:	E. coli
Format:	State: Lyophilized from a 0.2 um filtered solution Purity: >95% Buffer System: 20 mM Tris-HCl buffer (pH 7.5), 100 mM NaCl, 1mM MgCl2 Endotoxin Level: < 1.0 EU per 1 ug of protein (determined by LAL method) Reconstitution: Restore in sterile distilled water to a concentration of 1 mg/ml or less.
Description:	Purified human recombinant alpha-Synuclein (amino acids 1-140). AA Sequence: MDVFMKGLSK AKEGVVAAAE KTKQGVAAEA GKTKEGVLYV GSKTKEGVVH GVATVAEKT EQVTNVGGAV VTGVTAVAQK TVEGAGSIAA ATGFVKKQQL GKNEEGAPQE GILEDMPVDP DNEAYEMPSE EGYQDYEPEA Molecular weight: 14.46 kDa (140 aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher).
Storage:	Upon receipt, store it immediately at 2-8°C for up to one month. For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch
General Readings:	1. Jakes, R., et al. (1994) FEBS lett. 345, 27-32. 2. Ueda, K., et al. (1993) Proc. Natl. Acad. Sci. USA 90, 11282-11286. 3. Kim, J. (1997) Molecules and Cells 7, 78-83. 4. Paik, S. R., et al. (1997) Arch. Biochem. Biophys. 344, 325-334.

Pictures:



14% SDS-PAGE (3ug)

Recombinant human Alpha-Synuclein:
14% SDS-PAGE (3 μ g)



14% SDS-PAGE (3ug)