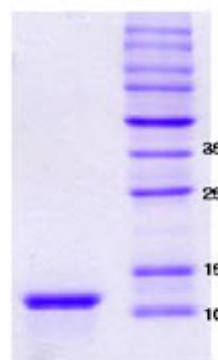


SA6005X**Human Recombinant alpha-Synuclein 112 (NACP112)**

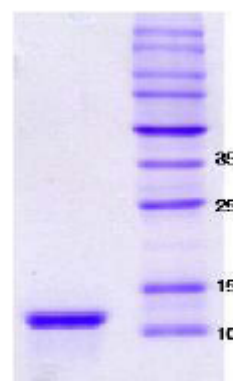
Alternate names:	NACP, Non-A beta component of AD amyloid, Non-A4 component of amyloid precursor, PARK1
Quantity:	0.5 mg
Concentration:	1.0 mg/ml (determined by BCA assay)
Background:	Alpha-Synuclein, an acidic neuronal protein, is extremely heat-resistant and is natively unfolded with an extended structure 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_000336.1
GenelD:	6622
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS-PAGE Buffer System: 20 mM Tris-HCl buffer (pH 7.5) containing 0.1 M NaCl.
Description:	An alternatively spliced (103-129) form of alpha-synuclein, alpha-Synuclein 112 was cloned into an E. coli expression vector by RT-PCR. The recombinant protein was purified to apparent homogeneity by taking advantage of the thermosolubility of the protein and by using conventional column chromatography techniques. AA Sequence: MDVFMKGLSK AKEGVVAAAE KTKQGVAEAA GKTKEGVLYV GSKTKEGVVH GVATVAEKT EQVTNVGGAV VTGVTAVAQK TVEGAGSIAA ATGFVKKDQL GKEGYQDYEP EA Molecular weight: 11.3 kDa (112 aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Park SM., et al. (2002) Blood. 100(7):2506-2514.

Pictures:



15% SDS-PAGE (3ug)

α -Synuclein, 1-112 aa, Human,
Recombinant



15% SDS-PAGE (3ug)