

alpha-Synuclein Recombinant Protein | SNCA recombinant protein

alpha-Synuclein (lyophilized), 1-140aa, Human, E Coli

CATALOG # AAA48667	HOST E Coli	APPLICATIONS SDS-Page
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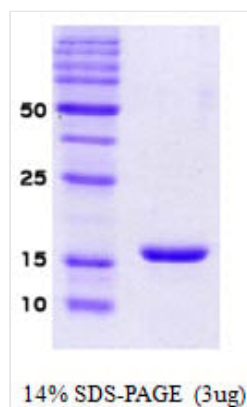
PRODUCT SYNONYMS

alpha-Synuclein; alpha-Synuclein (lyophilized); 1-140aa; Human; E Coli; SNCA; NACP; PARK1; Non-A beta component of AD amyloid; Non-A4 component of amyloid precursor; Alpha synuclein; Alpha-synuclein isoform NACP140; alphaSYN; MGC105443; MGC110988; MGC127560; MGC64356; Non A beta component of AD amyloid; Non A4 component of amyloid precursor; Non-A-beta component of alzheimers disease amyloid; precursor of PARK 1; PARK 4; PARK4; Parkinson disease familial 1; PD 1; PD1; Synuclein alpha; ; SNCA recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Lyophilized from a 0.2 um filtered in 20 mM Tris-HCl Buffer, (pH 7.5), 100 mM NaCl, 1mM MgCl2
Concentration	Reconstitute in sterile distilled water at a concentration of 1mg/ml or less. (varies by lot)
Sequence	MDVFMKGLSK AKEGVVAAAE KTKQGVAAEA GKTKEGVLYV GSKTKEGVVH GVATVAEKTQ EQVTNVGGAV VTGVTAVAQK TVEGAGSIAA ATGFVKKQDL GKNEEGAPQE GILEDMPVDP DNEAYEMPSE EGYQDYEPEA
Sequence Length	140
Applicable Applications for SNCA recombinant protein	SDS-PAGE
Domain	1-140aa
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation and Storage	Store at 2-8 degree C for 1 week. For long term storage, aliquot and store at -20 to -80 degree C. Avoid repeated freeze/thaw cycles

IMAGES



SDS-PAGE

3 ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for SNCA recombinant protein	alpha-Synuclein (amino acids 1-140), an acidic neuronal protein of 140 amino acids, 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).
Product Categories/Family for SNCA recombinant protein	Neuroscience
References	Jakes, R., et al. (1994) FEBS lett. 345, 27-32; ueda, K., et al. (1993) Proc. Natl. Acad. Sci. uSA 90, 11282-11286; Kim, J. (1997) Molecules and Cells 7, 78-83; Paik, S. R., et al. (1997) Arch. Biochem. Biophys. 344, 325-334.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507109
NCBI GeneID	6622
NCBI Accession #	NP_000336
NCBI GenBank Nucleotide #	NM_000345.3
UniProt Accession #	P37840; Q13701; Q4JHI3; Q6IAU6; A8K2A4
Molecular Weight	14.4 kDa (140 aa), confirmed by MALDI-TOF. (Molecular weight on SDS-PAGE will appear higher)
NCBI Official Full Name	alpha-synuclein isoform NACP140
NCBI Official Synonym Full Names	synuclein alpha
NCBI Official Symbol	SNCA
NCBI Official Synonym Symbols	PD1; NACP; PARK1; PARK4
NCBI Protein Information	alpha-synuclein
UniProt Protein Name	Alpha-synuclein
UniProt Gene Name	SNCA
UniProt Synonym Gene Names	NACP; PARK1; NACP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.