Recombinant Mouse Synuclein, Alpha

Cat. No. Snca-2730M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse alpha-Synuclein, was expressed in*E.coli*and purified by using conventional chromatography techniques. MW =14.4 kDa (140aa), confirmed by MALDI-TOF.
Species	Mouse
Source	E.coli
Description	Alpha-Synuclein, also known as SNCA, 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.
Sequences Of Amino Acids	MDVFMKGLSK AKEGVVAAAE KTKQGVAEAA GKTKEGVLYV GSKTKEGVVH GVTTVAEKTK EQVTNVGGAV VTGVTAVAQK TVEGAGNIAA ATGFVKKDQM GKGEEGYPQE GILEDMPVDP GSEAYEMPSE EGYQDYEPEA
Form	Liquid. In 20mM Tris-HCl buffer (pH 7.5) containing, 10% glycerol.
Purity	> 95% by SDS – PAGE.
Concentration	1mg/ml (determined by BCA assay).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

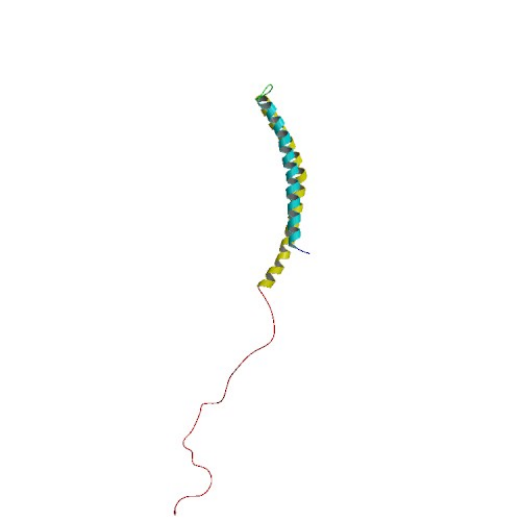
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GENE INFORMATION

Gene Name	Snca synuclein, alpha [Mus musculus]
Synonyms	Snca; synuclein, alpha; NACP; alphaSYN; alpha-synuclein; alpha SYN; non-A4 component of amyloid; non-A beta component of AD amyloid
Gene ID	20617
mRNA Refseq	NM_001042451
Protein Refseq	NP_001035916
UniProt ID	O55042
Chromosome Location	6 B3; 6 29.0
Pathway	Alzheimer"s disease; Parkinson"s disease
Function	arachidonic acid binding; histone binding; identical protein binding; microtubule binding; phospholipase binding; phospholipid binding; protein N-terminus binding; protein domain specific binding

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