

Datasheet

Product Name:	Alpha-Synuclein, Monkey, Desalted
Catalog #:	S-1022
Source:	Recombinant. A DNA sequence encoding the monkey alpha-synuclein, was expressed in E. coli.
Molecular Weight:	14.47kDa
Protein Purity:	>95% by SDS-PAGE and Mass Spec.
Counter Ion:	Lyophilized in final buffer of 20mM Tris/HCl pH 7.4
Supplied As:	White lyophilized powder
Resuspension:	Resuspend in water at conc. of .1-1 mg/ml. A brief centrifuge and sonication step is recommended to fully suspend the lyophilized pellet.
Storage:	-20°C
Description:	Alpha-Synuclein (a-Synuclein) is a 14 kD (140 amino acids) acidic presynaptic protein. It is a major component of Parkinson's disease aggregates and is implicated in the pathogenesis of Parkinson's Disease and related neurodegenerative disorders. a-Synuclein accumulates in the brains of sporadic Parkinson's disease patients as a major component of Lewy bodies, which are intraneuronal cytoplasmic inclusions characteristic of Parkinson's disease. a-Synuclein appears to associate with other proteins that aggregate and is found in B-amyloid plaques and neuritic tangles in Alzheimer's disease ³ . Monkey alpha-Synuclein has a 98% homologous sequence to Human Alpha-Synuclein. This product is supplied in a buffer without salt to better fill the needs of customers whose experiments may have interference with NaCl.
References:	1) Conway, K.A. et. al., (2000) Biochemistry, 39: 2552 2) Jakes, R. et al. (1994), FEBS Letters, 345: 27 3) Masliah, E. et. al., (2001) Proc. Natl. Acad. Sci., USA, 98: 12245 4) Ueda, K., et. al. (1993) Proc. Natl. Acad. Sci., USA, 90: 11282

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