

□ Cat # RP-847      Recombinant Human Alpha-Synuclein      **Size:** □ 20 ug

a-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. a-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 a-synuclein has chaperone activity and that this activity is lost upon removing its C-terminal acidic tail (amino acids 96-140).

Alpha-synuclein, Non-A beta component of AD amyloid, Non-A4 component of amyloid precursor, NACP, PD1, PARK1, PARK4, MGC110988, α-Synuclein, SNCA.

**Source: Alpha Synuclein, Human**

MDVFMKGLSK/ AKEGVVAAA/ KTKQGVAEAA/ GKTKEGVLYV/  
GSKTKEGVVH/ GVATVAEKT/ EQVTNVGGAV/ VTGVTAVAQK/  
TVEGAGSIAA/ ATGFVKKQDL/ GKNEEGAPQE/ GILEDMPVDP/  
DNEAYEMPSE/ EGYQDYPEA

Alpha-Synuclein Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain having a molecular mass of 14,460 Dalton. The Recombinant Human a-Synuclein is purified (>95%) by proprietary chromatographic techniques.

The protein (1mg/ml) contains 20mM Tris-HCl buffer (pH 7.5), 0.1M NaCl and 1mM MgCl<sub>2</sub>. It is supplied lyophilized in the same buffer. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles. If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4°C for ~1 week or aliquots in suitable size and store at -20°C for long term storage

This item is for LABORATORY RESEARCH USE ONLY.

**Related Items**

Catalog# ProdDescription

SD61140-R Human Alpha Synuclein Recombinant deletion mutant protein (61-140aa)

SD6195-R Human Alpha Synuclein Recombinant deletion mutant protein (61-95aa)

SD96140-R Human Alpha Synuclein Recombinant deletion mutant protein (96-140aa)

SYN11-A Anti-Human Synuclein-alpha IgG # 1, aff pure  
SYN11-C Human Alpha Synuclein protein W. blot +ve control  
SYN11-P Human Synuclein-alpha Control/blocking peptide #1  
SYN11-R-100 Recombinant purified Human Alpha Synuclein protein (140 aa full length, wild type)

SYN12-A Anti-Rat Synuclein-alpha IgG # 2, aff pure  
SYN12-P Rat Synuclein-alpha Control/blocking peptide # 2  
SYN12-R-100 Recombinant purified Mouse Alpha Synuclein protein (140 aa full length, wild type)

SYN13-A Anti-Human Synuclein-Beta IgG # 1, aff pure  
SYN13-C Purified recombinant Human beta Synuclein protein W. blot +ve Control  
SYN13-P Human Synuclein-Beta Control/blocking peptide #1

SYN14-A Anti-Mouse Synuclein-gamma IgG # 1, aff pure  
SYN14-P Mouse Synuclein-gamma Control/blocking peptide # 1

SYN15-A Anti-Human Synuclein-gamma IgG # 2, aff pure  
SYN15-C Human Gamma Synuclein protein W. blot +ve control  
SYN15-P Human Synuclein-gamma Control/blocking peptide # 2

SYN-160-R Recombinant purified Human Alpha Synuclein mutant protein (1-60 aa)

SYN16-M Mouse Monoclonal Anti-Human Synuclein-alpha protein IgG, aff pure

SYN-195-R Recombinant purified Human Alpha Synuclein mutant protein (1-95 aa)

SYN21-M Mouse Monoclonal Anti-Human/mouse/rat Synuclein-beta protein IgG, aff pure

SYN-25-R Recombinant Purified Human beta Synuclein protein full length (1-134 aa)

SYN31-M Mouse Monoclonal Anti-Human Synuclein-gamma protein IgG, aff pure

SYN-35-R Recombinant Purified Human Gamma Synuclein protein full length (1-127 aa)

SYN-36-R Recombinant Purified Mouse Gamma Synuclein protein full length

SYN-61140-R Recombinant purified Human Alpha Synuclein mutant protein (61-140 aa)

SYN-96140-R Recombinant purified Human Alpha Synuclein mutant protein (Delta NAC/96-140 aa)

SYN-A3053T-R Human Alpha Synuclein A30P/A53T Recombinant double mutant protein

SYN-A30P-R Human Alpha Synuclein (A30P) Recombinant protein

SYN-A53T-R Human Alpha Synuclein (A53T) Recombinant protein

SYN-E46K-R Recombinant purified Human Alpha Synuclein (E46K) mutant protein

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