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Datasheet for ABIN7504231 SNCA Protein (AA 1-140)

Overview

Quantity:	100 µg
Target:	SNCA
Protein Characteristics:	AA 1-140
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Human Alpha Synuclein Protein
Sequence:	Met1-Ala140
Characteristics:	Recombinant Human Alpha Synuclein Protein is expressed from E.coli without tag.It contains Met1-Ala140.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	SNCA
Alternative Name:	Alpha Synuclein (SNCA Products)
Background:	Alpha-synuclein (α-synuclein) is a small, acidic protein containing 140 amino acids, highly

Target Details

expressed in the brain and primarily localized in the presynaptic terminals. It is found in high concentrations in Lewy Bodies, proteinaceous aggregates that constitute a typical histopathologic hallmark of Parkinson's disease.

Molecular Weight: 14.5 kDa same as Tris-Bis PAGE result.

Pathways: [Synaptic Membrane](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [Positive Regulation of Endopeptidase Activity](#), [Regulation of Carbohydrate Metabolic Process](#), [Platelet-derived growth Factor Receptor Signaling](#), [Negative Regulation of Transporter Activity](#), [Regulation of long-term Neuronal Synaptic Plasticity](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in 20 mM Tris, 150 mM NaCl (pH 8.0). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,-2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months