Recombinant Human Alpha-synuclein/SNCA (K23Q) Protein

Catalog No.: RP00792

Sequence Information

Species
Human

Gene ID
6622

Swiss Prot
P37840-1

Tags
NO-tag

Synonyms
SNCA, NACP, PARK1, Alpha-synuclein

Product Information

Source
E. coli

Purification
≥ 95% as determined by reducing SDS-PAGE.

Calculated MW
13.27 kDa

Observed MW
15-20 kDa

Endotoxin
< 0.01 EU/μg of the protein by LAL method.

Formulation
Lyophilized from 0.22μm filtered solution in PBS (pH 7.4).

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Alpha-Synuclein (alpha-Syn), also known as NACP or SNCA, exists as at least two structural isoforms: one is helix-rich, membrane-bound form that both the N- and C-terminal regions of alpha-synuclein are tightly associated with membranes and the other is disordered, cytosolic form. Synuclein is found predominantly in the presynaptic termini, in both free or membrane-bound forms. SNCA is extensively localized in nucleus of neurons. It has been shown that alpha-Synuclein was highly expressed in the mitochondria in olfactory bulb, hippocampus, striatum, and thalamus, where the cytosolic alpha-Synuclein was also rich.

Basic Information

Description
Recombinant Human Alpha-synuclein/SNCA (K23Q) Protein is produced by E. coli Cells system. The target protein is expressed with sequence (Met1-Glu130) of Human Alpha-synuclein/SNCA (K23Q) fused with No tag .

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

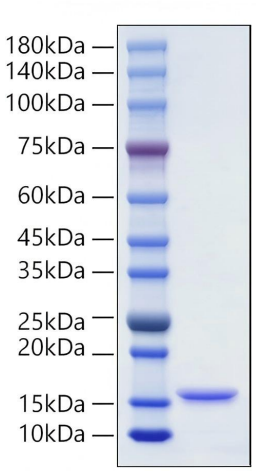
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

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Validation Data



Recombinant Human Alpha-synuclein/SNCA (K23Q) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.