# Recombinant Human Alpha-Synuclein/SNCA Protein (His

# Tag)

Catalog Number: PKSH033254



Note: Centrifuge before opening to ensure complete recovery of vial contents.

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Synonyms Alpha-Synuclein; Non-A Beta Component of AD Amyloid; Non-A4 Component of

Amyloid Precursor; NACP; SNCA; NACP; PARK1

Species Human
Expression Host E.coli

Sequence Met 1-Ala140

Accession P37840
Calculated Molecular Weight 16.7 kDa
Observed molecular weight 18 kDa
Tag N-His

## **Properties**

**Purity** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin** < 1.0 EU per µg of the protein as determined by the LAL method.

**Storage** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to

-80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots

of reconstituted samples are stable at < -20°C for 3 months.

Shipping This product is provided as lyophilized powder which is shipped with ice packs.Formulation Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

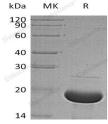
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed man

**Reconstitution** Please refer to the printed manual for detailed information.

#### Data



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## **Background**

Alpha-Synuclein (SNCA) is a member of the Synuclein family. SNCA is expressed principally in brain but also expressed in low concentrations in all tissues except liver. SNCA interacts with UCHL1; Phospholipase D and histones. SNCA can include beta- and gamma-synuclein. In addition; SNCA is an important regulatory component of vesicular transport in neuronal cells. It has been suggested that SNCA is related to the pathogenesis of Parkinson's Disease and neurodegenerative disorders. Defects in SNCA will lead to Dementia Lewy Body (DLB).

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