

## Recombinant Human Alpha-Synuclein/SNCA Protein

**Catalog Number:** PKSH033771

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

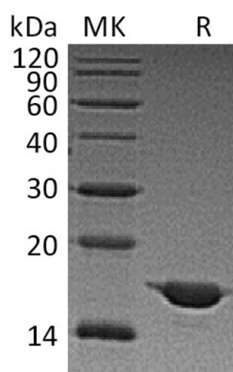
### Description

<b>Species</b>	Human
<b>Source</b>	E.coli-derived Human SNCA protein Met1-Ala140
<b>Calculated MW</b>	14.5 kDa
<b>Observed MW</b>	17 kDa
<b>Accession</b>	P37840
<b>Bio-activity</b>	Immobilized Recombinant Human SNCA(PKSH033771) at 2µg/ml (100 µl/well) can bind Anti-Human SNCA antibody. The ED <sub>50</sub> of Anti-SNCA antibody is 3.11ng/ml.

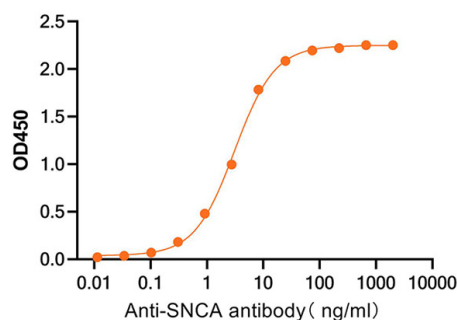
### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 95 % as determined by reducing SDS-PAGE.



Immobilized Recombinant Human SNCA(PKSH033771) at 2µg/ml (100 µl/well) can bind Anti-Human SNCA antibody. The ED<sub>50</sub> of Anti-SNCA antibody is 3.11ng/ml.

### 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).

### For Research Use Only