

Recombinant Human Alpha-Synuclein/SNCA Protein

Catalog Number: PKSH033771

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

Description

Species Human

Source E.coli-derived Human SNCA protein Met1-Ala140

 Calculated MW
 14.5 kDa

 Observed MW
 17 kDa

 Accession
 P37840

Bio-activity Immobilized Recombinant Human SNCA(PKSH033771) at 2μg/ml (100 μl/well) can

bind Anti-Human SNCA antibody. The ED₅₀ of Anti-SNCA antibody is 3.11ng/ml.

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 PBS, pH 7.4.

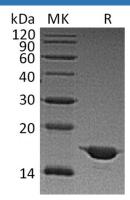
Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants

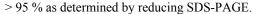
before lyophilization.

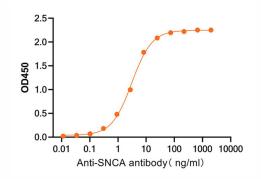
Please refer to the specific buffer information in the printed manual.

Reconstitution Please refer to the printed manual for detailed information.

Data







Immobilized Recombinant Human SNCA(PKSH033771) at $2\mu g/ml$ (100 $\mu l/well$) can bind Anti-Human SNCA antibody. The ED50 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

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