

## Product datasheet for **TP310606M**

### alpha Synuclein (SNCA) (NM\_000345) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human synuclein, alpha (non A4 component of amyloid precursor) (SNCA), transcript variant NACP140, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210606 representing NM_000345 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MDVFMKGLSKAKEGVAAAETKQGVAAEAGKTKEGVLYVGSKTKEGVHGVATVAEKTKEQVTNVGGAV VTGVTAVAQKTVEGAGSIAAATGFVKKDKLGKNEEGAPQEGILEDMPVDPDNEAYEMPSEEGYQDYEPEA  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	14.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_000336</a>
Locus ID:	6622
UniProt ID:	<a href="#">P37840</a>



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RefSeq Size: 1543

Cytogenetics: 4q22.1

RefSeq ORF: 420

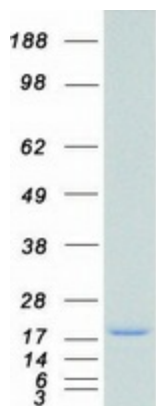
Synonyms: NACP; PARK1; PARK4; PD1

**Summary:** Alpha-synuclein is a member of the synuclein family, which also includes beta- and gamma-synuclein. Synucleins are abundantly expressed in the brain and alpha- and beta-synuclein inhibit phospholipase D2 selectively. SNCA may serve to integrate presynaptic signaling and membrane trafficking. Defects in SNCA have been implicated in the pathogenesis of Parkinson disease. SNCA peptides are a major component of amyloid plaques in the brains of patients with Alzheimer's disease. Alternatively spliced transcripts encoding different isoforms have been identified for this gene. [provided by RefSeq, Feb 2016]

**Protein Families:** Druggable Genome

**Protein Pathways:** Alzheimer's disease, Parkinson's disease

### Product images:



Coomassie blue staining of purified SNCA protein (Cat# [TP310606]). The protein was produced from HEK293T cells transfected with SNCA cDNA clone (Cat# [RC210606]) using MegaTran 2.0 (Cat# [TT210002]).