

## Recombinant Human synuclein, alpha Protein, Tag Free, Biotin Labeled

**Cat. No.** SNCA-034H    **Lot. No.** (See product label)

### SPECIFICATION

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| <b>Product Overview</b>  | Recombinant human $\alpha$ -synuclein (GenBank Accession # NP_000336) was expressed and purified from E. coli and conjugated with biotin.                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>           | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>     | 1-140aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>       | 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. |
| <b>Tag</b>               | Non                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Conjugation/Label</b> | Biotin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Form</b>              | Solution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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|                         |                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>     | Aggregation/Fibrillation; ELISA; Western Blotting                                                                                                                                                                                                                |
| <b>Usage</b>            | Research use                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                      |
| <b>Concentration</b>    | 1 mg/mL                                                                                                                                                                                                                                                          |
| <b>Storage Buffer</b>   | 10 mM sodium phosphate buffer (pH=7.4)                                                                                                                                                                                                                           |
| <b>Conjugation</b>      | Biotin                                                                                                                                                                                                                                                           |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                  |
| <b>Gene Name</b>        | SNCA synuclein, alpha (non A4 component of amyloid precursor) [ Homo sapiens (human) ]                                                                                                                                                                           |
| <b>Official Symbol</b>  | SNCA                                                                                                                                                                                                                                                             |
| <b>Synonyms</b>         | SNCA; synuclein, alpha (non A4 component of amyloid precursor); PARK1, PARK4, Parkinson disease (autosomal dominant, Lewy body) 4; alpha-synuclein; alpha synuclein; NACP; PD1; synuclein alpha-140; non A-beta component of AD amyloid; PARK1; PARK4; MGC110988 |
| <b>Gene ID</b>          | 6622                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>      | NM_000345                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>   | NP_000336                                                                                                                                                                                                                                                        |
| <b>MIM</b>              | 163890                                                                                                                                                                                                                                                           |

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UniProt ID

P37840

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