

## 32-4887: Recombinant Mouse Alpha-Synuclein

**Alternative Name :** Alpha-synuclein, Non-A beta component of AD amyloid, Non-A4 component of amyloid precursor, NACP, PARK1, PARK4, MGC110988, ?-Synuclein, SNCA, Syn, SNCA.

### Description

Source : Escherichia Coli. SNCA Recombinant Mouse produced in E.Coli is a single, non-glycosylated polypeptide chain containing 140 amino acids (1-140 a.a.) and having a molecular mass of 14.4 kDa. The SNCA is purified by proprietary chromatographic techniques.  $\alpha$ -Synuclein (amino acids 1-140), an acidic neuronal protein of 140 amino acids, is extremely heat-resistant and is natively unfolded with an extended structure primarily composed of random coils.  $\alpha$ -synuclein has been suggested to be implicated in the pathogenesis of Parkinson's disease and related neurodegenerative disorders, and more recently, to be an important regulatory component of vesicular transport in neuronal cells. Moreover, recent studies have shown that  $\alpha$ -synuclein has chaperone activity and that this activity is lost upon removing its C-terminal acidic tail (amino acids 96-140).

### Product Info

**Amount :** 20  $\mu$ g

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

**Content :** The SNCA protein contains 20mM Tris-HCl buffer (pH 7.5) and 10% glycerol.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MDVFMKGLSK AKEGVVAAAE KTKQGVAAEA GKTKEGVLYV GSKTKEGVVH GVTTVAEKT  
EQVTNVGGAV VTGVTAVAQK TVEGAGNIAA ATGFVKKQDM GKGEEGYPQE GILEDMPVDP  
GSEAYEMPSE EGYQDYPEA.

