

## 32-4884: Recombinant Human Alpha-Synuclein A53T

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

### Description

Source : Escherichia Coli. A-Synuclein A53T Human Recombinant which is a Parkinson's disease-related point mutant, produced in E.Coli is a single, non-glycosylated polypeptide chain of 140 amino acids having a molecular mass of 14.4kDa (molecular size on SDS-PAGE will appear higher). The Recombinant Human a-Synuclein A53T is purified by proprietary chromatographic techniques. a-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. a-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 a-synuclein has chaperone activity and that this activity is lost upon removing its C-terminal acidic tail (amino acids 96-140).

### Product Info

**Amount :** 50 µg  
**Purification :** Greater than 95.0% as determined by SDS-PAGE.  
**Content :** The SNCA A53T protein solution (1mg/ml) contains 20mM Tris-HCl buffer pH 7.5 and 100mM NaCl.  
**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 TVEGAGSIAA ATGFVKKDQL GKNEEGAPQE GILEDMPVDP  
DNEAYEMPSE EGYQDYEPEA.

