

32-4886: Recombinant Human Alpha-Synuclein NACP112

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 NACP112 Human Recombinant which is an alternatively spliced (103-129) form of a-Synuclein, produced in E.Coli is a single, non-glycosylated polypeptide chain of 112 amino acids having a molecular mass of 11.3kDa. The Recombinant Human a-Synuclein NACP112 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 : 20 µg
Purification : Greater than 95.0% as determined by SDS-PAGE.
Content : The SNCA NACP112 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 GVATVAEKTKEQVTNVGGAV VTGVTAVAQK TVEGAGSIAA ATGFVKKDQL GKEGYQDYEP EA.