

?-Synuclein A53T, Human, Recombinant, E.coli

Cat.NO.: TP04119

3th Edition

Synonyms:SNCA, NACP, PARK1, alpha-Synuclein, Non-A beta component of AD amyloid, Non-A4 component of amyloid precursor, Alpha synuclein, Alpha-synuclein isoform NACP140, alphaSYN, MGC105443, MGC110988, MGC127560, MGC64356

Description:A Parkinson's disease-related point mutant (A53T) of alpha-synuclein. A53T mutant of alpha-synuclein was overexpressed in E. coli and the recombinant protein was purified to apparent homogeneity by taking advantage of the thermosolubility of the protein and by using conventional column chromatography techniques

Form:Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 0.1 M NaCl

Molecular Weight:14.4 kDa (140 aa), confirmed by MALDI-TOF. (Molecular weight on SDS-PAGE will appear higher)

Sequences:

MDVFMKGLSKAKEGVVAAAEKTKQGVAEAAAGKTKEGVLYVGSKTKEGVVHGVTVAEKTKEQVTNVGGAVVTGV
TAVAQKTVEGAGSIAAATGFVKKDQLGKNEEGAPQEGILEDMPVDPDNEAYEMPSEEGYQDYEPEA

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by BCA assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.