

?-Synuclein E46K, Human, Recominant, E.coli

Cat.NO.: TP04120

3th Edition

Synonyms:SNCA, NACP, PARK1, alpha-Synuclein, alpha synuclein E46k, alpha-synuclein e46k, Non-A beta component of AD amyloid, Non-A4 component of amyloid precursor, Alpha synuclein, Alpha-synuclein isoform NACP140, alphaSYN

Description:alpha-Synuclein E46K is a mutant form of alpha-synuclein which is changed at position 46 from glutamate(E) to lysine(K). Recent studies have shown that this mutant(E46K) of alpha-synuclein causes Parkinson and Lewy Body dementia(DLB). alpha-Synuclein E46K was overexpressed in E. coli and purified to apparent homogeneity 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 (140 aa), confirmed by MALDI-TOF. (Molecular weight on SDS-PAGE will appear higher)

Sequences:

MDVFMKGLSKAKEGVVAAAEKTKQGVAEAAAGKTKEGVLYVGSKTKKGVVHGVATVAEKTKEQVTNVGGAVVTGV
TAVAQKTVEGAGSIAAATGFVKKDQLGKNEEGAPQEGILEDMPVDPDNEAYEMPSEEGYQDYPEA

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.