Product Name: Alpha-Synuclein, A53T

Catalog #: S-1002

Source: Recombinant. A DNA sequence encoding the human alpha-synuclein, A53T mutant sequence was expressed in E. coli.

Molecular Mass: 14,490

Protein Purity: >95% by SDS-PAGE and Mass Spec.

Counter Ion: Lyophilized in final buffer of 10 mM Tris/HCl, pH 7.4

Supplied As: White lyophilized powder

Resuspension: Resuspend in water at conc. of 1 mg/ml. This will give you a final of 10 mM Tris-HCl, pH 7.4

Storage: –20°C

Description: A point mutant (A53T) of alpha-synuclein gene that has been linked to autosomal dominant early onset Parkinson’s Disease (PD). Alpha-Synuclein (α-Synuclein) is a 14 kD (140 amino acids) acidic presynaptic protein. It is a major component of PD aggregates and is implicated in the pathogenesis of PD and related neurodegenerative disorders.

3) Polymeropoulos, M.H., et. al., (1997), Science, 276: 2045

For research use only. Not for use in humans.