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DATA SHEET

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| 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. |
| References: | 1) Lashuel, H.A., et. al., (2002), J Mol Biol. 322 : 1089 2) Park, S.M., et. al., (2002) Blood, 100 : 2506 3) Polymeropoulos, M.H., et. al., (1997), Science, 276 : 2045 |

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