

DATA SHEET

Product Name: Alpha-Synuclein 98

Catalog #: S-1026

Source: Recombinant. A DNA sequence encoding the human Alpha-Synuclein 98 sequence was expressed in E. coli

Molecular Mass: 10,020 Da Theoretical

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

Counter Ion: 20mM Tris-HCl, 100mM NaCl pH 7.4

Supplied As: White Lyophilized Powder

Resuspension: Resuspend in water at conc. of .1-1 mg/ml. Recommended to briefly centrifuge to ensure full resuspension of product.

Storage: -20°C

Description: Alpha-Synuclein (α -Synuclein) is a presynaptic protein found to be a major component of Parkinson's Disease (PD) aggregates and is implicated in the pathogenesis of PD and related neurodegenerative disorders. Expressed recombinantly in E. coli, Alpha-Synuclein 98 is a splicing variant that lacks exons 3 (G41-T54) and 5 (N103-E130) and is purified to our highest standards to ensure batch-to-batch consistency in both purity and quality. The Alpha-Synuclein 98 is sold in 20mM Tris, 100mM NaCl, pH 7.4 to ensure a highly monomeric starting material that could be suited to aggregation studies, seeding experiments, molecular standards, and more.

References:

1. Du, T., et al., (2019), Frontiers in Molecular Neuroscience, 12, 189
2. Beyer, K., et al., (2008), Neurogenetics, 9 15-23
3. Röntgen, A., et al., (2024) Biophysics and Computational Biology, 121, 7

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