

DATA SHEET

Product Name: Alpha-Synuclein, 1-119

Catalog #: S-1024

Source: Recombinant. A DNA sequence encoding the human Alpha-Synuclein (1-119) sequence was expressed in E. coli

Molecular Mass: 12,014 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 .1-1mg/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. Recently, proteolytic processing of Alpha-Synuclein resulting in C-terminal truncation was implicated in the conversion of the protein to pathological forms. Expressed recombinantly in E. coli, human Alpha-Synuclein 1-119 is purified to our highest standards to ensure batch-to-batch consistency in both purity and quality. The Alpha-Synuclein 1-119 is sold in 20mM Tris, 100mM NaCl, pH 7.4 to ensure a highly monomeric starting material that may be suited to aggregation studies, seeding experiments, molecular standards, and more.

References:

1. Daher, J., et al., (2009) Molecular Neurodegeneration, 4 : 34
2. Li, W., et al., (2005) PNAS, 102 : 6
3. Sorrention, Z., et al., (2020) JBC, 295 : 30

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