

## DATA SHEET

**Product Name:** Alpha-Synuclein, Rabbit

**Catalog #:** S-1023

**Source:** Recombinant. A DNA sequence encoding the rabbit Alpha-Synuclein (1-140) sequence was expressed in E. coli

**Molecular Mass:** 14,511 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 ( $\alpha$ -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, rabbit Alpha-Synuclein is purified to our highest standards to ensure batch-to-batch consistency in both purity and quality. The rabbit Alpha-Synuclein 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. Conway, K., et al., (2000) Biochemistry, *39*: 2552
2. Jakes, R., et al., (1994) FEBS Letters, *345*: 27
3. Masliah, E., et al., (2001) Proc. Natl. Acad. Sci., USA, *98*: 12245
4. Ueda, K., et al., (1993) Proc. Natl. Acad. Sci., USA, *90*: 11282
5. Grozdanov, V., et al., (2019) Ann Neurol, *86*(4): 593-606

**For research use only. Not for use in humans.**