

**DATA SHEET**

**Product Name:** Alpha-Synuclein, S9C Mutant

**Catalog #:** S-1017

**Source:** Recombinant. A DNA sequence encoding the human alpha-synuclein mutant S9C, was expressed in E. coli

**Molecular Mass:** 14,480 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:** This human alpha-synuclein ( $\alpha$ -Synuclein) contain a mutation at S9C that can be used for thiol coupling or thiol modification. The S9C mutant is compatible with haloalkyl derivatives, maleimides, and sulfonates. Possible applications include fluorescence labeling<sup>1</sup>, spin labeling for EPR<sup>2</sup>, or PRE experiments<sup>3</sup>.

**References:**

1. Daniels, M.J., et al., (2019) Sci Rep 9: 2937
2. Drescher, M., et al., (2008) Chembiochem. 9(15): 2411-6
3. Rospigliosi, C.C., et al., (2009) J Mol Biol. 388(5): 1022-1032

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