

**DATA SHEET**

**Product Name:** FITC Alpha-Synuclein

**Catalog #:** S-1113

**Source:** Recombinant. A DNA sequence encoding the human alpha-synuclein (1-140) sequence was expressed in E. coli and had FITC molecules attached for fluorescence.

**Molecular Mass:** Approximately 17kD

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

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

**Supplied As:** 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:** Human Alpha-Synuclein ( $\alpha$ -synuclein) has been covalently labeled with Fluorescein Isothiocyanate and assayed for fluorescence. The FITC label has a maximum absorbance at 495 and a maximum emission at 525nm. This FITC labeled form of  $\alpha$ -synuclein is ideally suited to localization experiments, aggregation monitoring and binding kinetics without the need for mutations or further labeling.

**References:**

1. Roberti, M., et al., (2007) Nat Methods 4: 345-351
2. Dusa, A., et al. (2006) Biochemistry 45, 8: 2752-2760
3. Van Rooijen., B.D., (2009) Journal of Molecular Biology 394, 5, 18: 826-833

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