

DATA SHEET

Product Name: Beta-Amyloid (1-42) Preformed Fibrils

Catalog #: AF-1002

Source: Recombinant. A DNA sequence encoding the human Beta-Amyloid (1-42) sequence was expressed in E. coli and was then made into preformed fibrils.

Estimated Size: 50nm-200nm*

Protein Purity: >97% by Mass Spec.

Counter Ion: 20mM Tris, 150mM NaCl, pH 7.4

Supplied As: Liquid solution at a concentration of 4mg/ml

Storage: -80°C

Description: These preformed fibrils of beta-amyloid (1-42) may be used as a model for the pathogenic form of beta-amyloid (1-42) in numerous amyloidosis. Sourced from E. coli, these fibrils were prepared and confirmed by thioflavin assay and electron microscopy. The fibrils can be used for either in vitro experiments such as fibril stability, drug design, aggregation studies, or treatment models. Applications for in vivo experiments include in vivo seeding experiments and preformed fibril injections. Applied to either in vivo or in vitro experiments, these fibrils may be utilized to investigate the mechanism of various amyloid-related neurological disorders.

References:

1. Kollmer, M., et al., (2019) Nat Commun 10 : 4760
2. Lin, T., et al., (2017) PLoS ONE 12(3)
3. Wang, Q., et al., (2013) ACS Chem Neurosci 4(6) : 1004-1015.

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