

Human alpha Synuclein protein (Pre-Formed Fibrils)

Cat No. GTX17667-pro

Application	Functional Assay
Species	Human

Package

200 µg, 100 µg

PRODUCT

Summary	Human Recombinant Alpha Synuclein Preformed Fibrils (Type 2)
----------------	--

APPLICATION

Application Note

Does not induce Lewy body inclusion formation in Sprague-Dawley rat primary hippocampal neurons. Thioflavin T emission curve shows only a small increase in fluorescence (indicative of alpha synuclein aggregation) when Type 2 alpha synuclein PFFs (GTX17667-pro) are combined with alpha synuclein monomers (GTX17668-pro or GTX17666-pro). Certain biological activities in other neuronal cells cannot be ruled out. Researchers should test compatibility prior to use.

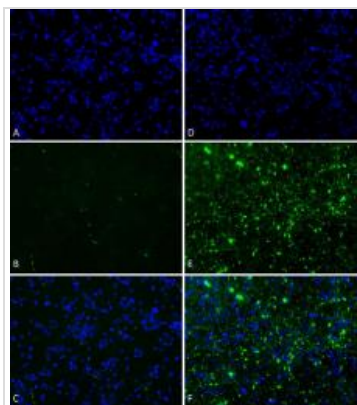
PROPERTIES

Form	Liquid
Buffer	PBS pH 7.4
Storage	Store as concentrated solution. Aliquot and store at -20°C or below. Avoid freeze-thaw cycles.
Concentration	Batch dependent (Please refer to the vial label for the specific concentration.)
Region/Sequence	Full-length without tagged; MDVFMKGLSK AKEGVAAAE KTKQGVAEAA GKTKEGVLYV GSKTKEGWVH GVATVAEKTQ EQVTNVGGAV VTGVTAVAQK TVEGAGSIAA ATGFVKKDQL GKNEEGAPQE GILEDMPVDP DNEAYEMPSE EGYQDYPEEA
Expression System	E. coli
Purification	Purified by ion-exchange chromatography
Purity	92 % by SDS-PAGE
Endotoxin	< 1EU/µg (by LAL assay)
Conjugation	Unconjugated
Note	For laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.



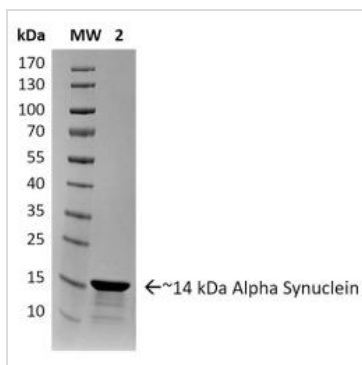
For full product information, images and publications, please visit our [website](#).

DATA IMAGES

**GTX17667-pro Functional Assay Image**

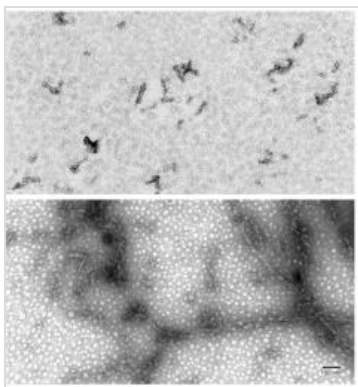
Primary rat hippocampal neurons show lewy body inclusion formation when treated with active Alpha Synuclein Preformed Fibrils (GTX17669-pro) at 4 µg/ml (D-F), but not when treated with control Alpha Synuclein Preformed Fibrils (GTX17667-pro) at 4 µg/ml (A-C).

Tissue: Primary hippocampal neurons. Species: Sprague-Dawley rat. Fixation: 4% formaldehyde made from PFA. Primary Antibody: Mouse anti-pSer129 Antibody at 1:1000 24 hours at 4°C. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:700 for 1 hours at RT. Counterstain: Hoechst (blue) nuclear stain at 1:4000 for 1 hour at RT. Localization: Lewy body inclusions. Magnification: 20x.

**GTX17667-pro Image**

SDS-PAGE of ~14 kDa Human alpha Synuclein protein (fibrils) (GTX17667-pro).

Lane 1: Molecular Weight Ladder (MW). Lane 2: Human alpha Synuclein protein (fibrils) (GTX17667-pro).

**GTX17667-pro Image**

TEM of active human alpha synuclein preformed fibrils (GTX17669-pro) (top) and control human alpha synuclein preformed fibrils (GTX17667-pro) (bottom). Fibrils were sonicated and treated with uranyl acetate. The active fibrils are shorter than the control fibrils.



For full product information, images and publications, please visit our [website](https://www.genetex.com).