

Human Tau (K18) protein, mutant P301L (monomer)

Cat. No. GTX17673-pro

Applications	Functional Assay
Species	Human

Package
200 µg, 100 µg

Applications

Application Note

Thioflavin T emission curve shows increased fluorescence (correlated to tau protein fibrillation) when tau PFFs are combined with tau monomers.

Properties

Form	Liquid
Buffer	10mM HEPES, 100mM NaCl
Preservative	No preservative
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	Partial Tau without tagged; SRLQTAPVPM PDLKNVSKI GSTENLKHQP GGGKVQIINK KLDLSNVQSK CGSKDNIKHVLGGGSVQIVY KPVDSLKVTS KCGSLGNIHH KPGGGQVEVK SEKLDKDRV QSKIGSLDNI THVPGGGNKK IETHKLTFRE
Expression System	E. coli
Purification	Purified by ion-exchange chromatography
Conjugation	Unconjugated

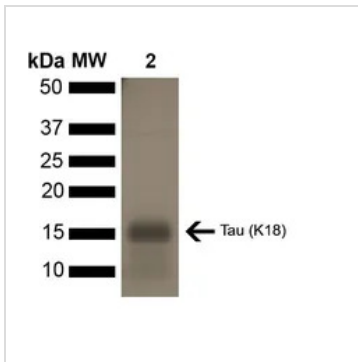
Note

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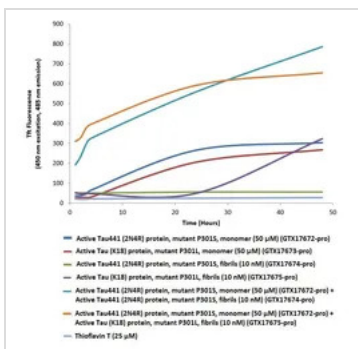
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DATA IMAGES

GTX17673-pro Image

SDS-PAGE of ~16 kDa Human Tau (K18) protein, mutant P301L (monomer) (GTX17673-pro).
Lane 1: MW Ladder. Lane 2: Human Tau (K18) protein, mutant P301L (monomer) (GTX17673-pro).


GTX17673-pro Image

Thioflavin T is a fluorescent dye that binds to beta sheet-rich structures such as those in tau fibrils. Upon binding, the emission spectrum of the dye experiences a red-shift, and increased fluorescence intensity. Thioflavin T emission curves show increased fluorescence (correlated to tau aggregation) in tau K18 P301L monomers (GTX17673-pro) over time. Thioflavin T ex = 450 nm, em = 485 nm.



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