

Product Datasheet

Recombinant Human Tau Active, (K18), P301L Mutant, Monomer Protein NBP3-14784-100ug

Unit Size: 100 ug

Store at -80C. Avoid freeze-thaw cycles.

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Updated 10/12/2023 v.20.1

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NBP3-14784-100ug

Recombinant Human Tau Active, (K18), P301L Mutant, Monomer Protein

Product Information	
Unit Size	100 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -80C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>95%
Buffer	10 mM HEPES, 100 mM NaCl pH 7.4

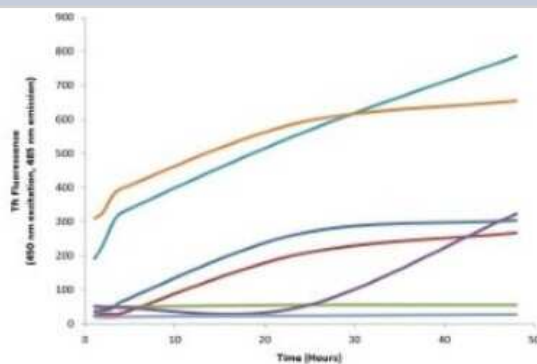
Product Description	
Description	<p>A partial recombinant protein of Human Tau</p> <p>Source: <i>E. coli</i></p> <p>Uniprot ID: P10636</p> <p>Amino Acid Sequence: SRLQTAPVPM PDLKNVSKI GSTENLKHQP GGGKVQIINK KLDLSNVQSK CGSKDNIKHVVGGSVQIVY KPVDSLKVTS KCGSLGNIHH KPGGGQVEVK SEKLDKDRV QSKIGSLDNI THVPGGGNKK IETHKLTFRE</p>
Gene ID	4137
Gene Symbol	MAPT
Species	Human
Preparation Method	Ion-exchange Purified
Details of Functionality	Thioflavin T emission curve shows increased fluorescence (correlated to Tau protein fibrillation) when Tau pre-formed fibrils are combined with Tau monomers.
Notes	Please note that the 200ug and 500ug sizes are sent in 2x100ug and 5x100ug vials, respectively

Product Application Details	
Applications	Western Blot, In vitro assay, In vivo assay, SDS-Page
Recommended Dilutions	Western Blot, In vitro assay, In vivo assay, SDS-Page

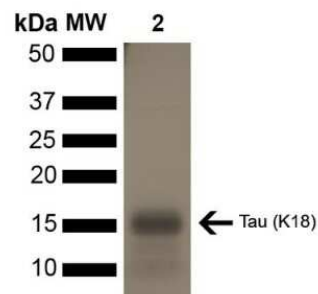


Images

In vitro assay: Recombinant Human Tau Active, (K18), P301L Mutant, Monomer Protein [NBP3-14784] - 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 (NBP3-14784) over time. Thioflavin T ex = 450 nm, em = 485 nm. 10 uM heparin was added to each well.



SDS-Page: Recombinant Human Tau Active, (K18), P301L Mutant, Monomer Protein [NBP3-14784] - SDS-PAGE of ~16 kDa Human Tau Protein K18 P301L Monomer (NBP3-14784). Lane 1: MW Ladder. Lane 2: Tau Protein Monomer (NBP3-14784)





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