

Product Datasheet

Recombinant Human Tau 441 Active, Monomer, P301S Mutant Protein NBP2-76795-100ug

Unit Size: 1 x 100ug Vials

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

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NBP2-76795-100ug

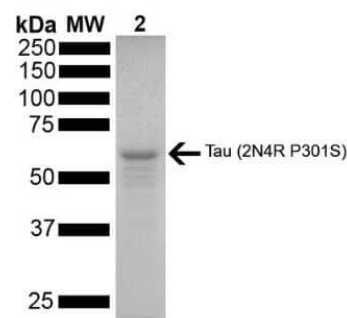
Recombinant Human Tau 441 Active, Monomer, P301S Mutant Protein

Product Information	
Unit Size	1 x 100ug Vials
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	Ion exchange chromatography
Buffer	10 mM HEPES (pH 7.4), 100 mM NaCl
Target Molecular Weight	45.8 kDa
Product Description	
Description	An un-tagged full length Human Recombinant Tau 441 protein Monomer, Accession #: P10636 Source: <i>E. coli</i> Amino Acid Sequence: MAEPRQEFEV MEDHAGTYGL GDRKDQGGYT MHQDQEGDTD AGLKESPLQT PTEDGSEEPG SETSDAKSTP TAEDVTAPLV DEGAPGKQAA AQPHTIEPEG TTAEEAGIGD TPSLEDEAAG HVTQARMVSK SKDGTGSDDK KAKGADGKTK IATPRGAAPP GQKQGQANATR IPAKTPPAPK TPPSSGEPPK SGDRSGYSSP GSPGTPGSRS RTPSLPTPPT REPKKVAVVR TPPKSPSSAK SRLQTAPVPM PDLKNVSKSI GSTENLKHQP GGGKVQIINK KLDLSNVQSK CGSKDNIKHVSGGGSVQIVY KVDLSKVTS KCGSLGNIHH KPGGGQVEVK SEKLDFKDRV QSKIGSLDNI THVPGGGNKK IETHKLTFRE NAKAKTDHGA EIVYKSPVVS GDTSPRHLSN VSSTGSIDMV DSPQLATLAD EVSASLAKQG L
Gene ID	4137
Gene Symbol	MAPT
Species	Human
Details of Functionality	Thioflavin T emission curve shows increased fluorescence (correlated to tau protein fibrillation) when active tau PFFs are combined with active tau monomers.
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

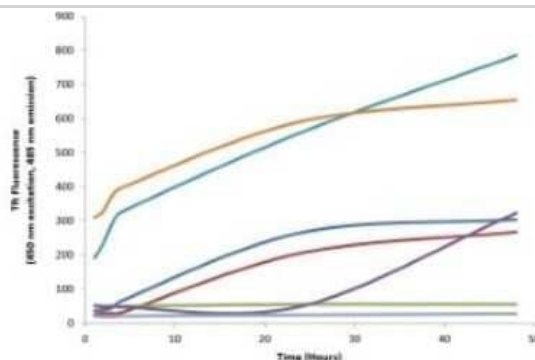


Images

SDS-Page: Recombinant Human Tau 441 Active, Monomer, P301S Mutant Protein [NBP2-76795] - SDS-PAGE of ~67 kDa Human Tau Protein 2N4R P301S Monomer (NBP2-76795). Lane 1: MW ladder. Lane 2: Tau Protein Monomer (NBP2-76795)



In vitro assay: Recombinant Human Tau 441 Active, Monomer, P301S Mutant Protein [NBP2-76795] - 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) over time in tau monomers (NBP2-76795). A greater increase in fluorescence is seen when 50 μ M monomer (NBP2-76795) is combined with 10 nM PFFs, as the fibrils seed the formation of new fibrils from the pool of monomers. Thioflavin T ex = 450 nm, em = 485 nm. 10 μ M heparin was added to each well.





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Products Related to NBP2-76795-100ug

NBP2-76794-100ug	Recombinant Human Tau 441 Active, P301S Mutant, Pre-formed Fibrils Protein
7954-GM-010/CF	GM-CSF [Unconjugated]
H00023435-M01	TDP-43/TARDBP Antibody (2E2-D3)
NB300-213	MAP2 Antibody

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