

Product datasheet for **TP725121**

Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Tau protein
Species:	Human
Expression cDNA Clone or AA Sequence:	Met1-Leu441
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, 1mM EDTA, pH 7.5
Note:	Recombinant Human Tau is produced by our E.coli expression system and the target gene encoding Met1-Leu441 is expressed.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-5 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Synonyms:	Microtubule-associated protein tau; MAPTL; Neurofibrillary tangle protein; MTBT1; Paired helical filament-tau; MAPT; Tau-F; MAPT-F
Summary:	Tau is a microtubule-associated protein expressed primarily in neurons. Tau promotes the assembly and stabilization of microtubules along with other MAP proteins. It is thought that other proteins can compensate for the loss of Tau protein function as Tau knockout mice are viable and show no signs of neurodegeneration. There are multiple isoforms of Tau created by alternative splicing of exons 2, 3, and 10. When tau proteins are defective and no longer stabilize microtubules properly, they can result in several neurodegenerative disorders such as Alzheimer's disease, Pick's disease, frontotemporal dementia, cortico-basal degeneration and progressive supranuclear palsy.



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