

Human Tau pT217 Protein

Cat.#:	TD-P10107	Size:	50ug
Protein Name:	TAU pT217		
Synonym:	DDPAC,FTDP-17,MAPT,MSTD,MTBT1,Tau,PHF-tau,TAU		
Uniprot No.:	P10636-8		
Expression System:	E. Coli		
Compound Identity:	6xHis at C-terminus		
Full Length or Truncated:	Full length		
Molecular Weight:	48.3 kDa		
Modification	Phosphorylation		
Form:	freeze-dried powder		
Storage:	2 days when stored at 2 to 8 ° C after thawing Up to 12 months when aliquoted and stored at -20 to -80 ° C		
Stability:	≥6 months		
Purity:	≥80% estimated by SDS-PAGE		
Supplied in:	0.15 M Phosphate buffered saline, pH 7.4		

Background

Tau is a microtubule-associated protein, which encodes by the MAPT gene that located on chromosome 17q21. Tau Promotes microtubule assembly and stability, and might be involved in the establishment and maintenance of neuronal polarity. Hyperphosphorylation of the tau protein (tau inclusions, pTau) can result in the self-assembly of tangles of paired helical filaments and straight filaments, which are involved in the pathogenesis of Alzheimers disease, frontotemporal dementia, and other tauopathies.