



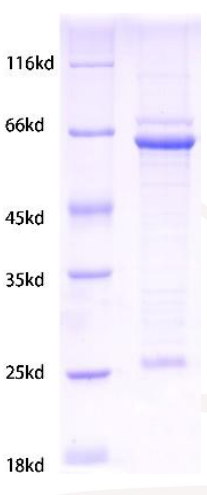
## Human Tau 1-441 Protein

Cat.#:	TD-P1005	Size:	50ug
Protein Name:	TAU		
Synonym:	DDPAC,FTDP-17,MAPT,MSTD,MTBT1,Tau,PHF-tau,TAU		
Uniprot No.:	P10636		
Expression System:	E. Coli		
Compound Identity:	TAU(e1)-his		
Full Length or Truncated:	Full length		
Molecular Weight:	48.3 kDa		
Form:	freeze-dried powder		
Storage:	-80°C (as supplied)		
Stability:	≥6 months		
Purity:	≥80% estimated by SDS-PAGE		
Supplied in:	1×PBS (pH 7.2)		

### 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.

## SDS-PAGE Validation

12 % SDS-PAGE	Lane Description
 <p>116kd 66kd 45kd 35kd 25kd 18kd</p> <p>1 2</p>	<p>Lane 1: Protein Marker</p> <p>Lane 2:TAU(e1)(1:2 dilution)</p>