Human Tau 1-441 Protein

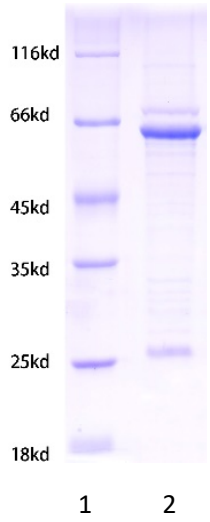
Catalog No.: OM770162

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
	Lane 1: Protein Marker Lane 2:TAU(e1)(1:2 dilution)