

PRODUCT INFORMATION

Target	MAPT
Synonyms	TAU; MSTD; PPNB; DDPAC; MAPTL; MTBT1; MTBT2; tau-40; FTDP-17; PPP1R103; Tau-PHF6
Description	Recombinant human MAPT Protein with N-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P10636
Expression Host	HEK293
Tag	N-6×His tag
Molecular Characterization	6×His tag MAPT(Ala2-Leu758)
Molecular Weight	The protein has a predicted molecular mass of 79.6 kDa after removal of the signal peptide. The apparent molecular mass of His-MAPT is approximately 100-250 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
Background	This gene encodes the microtubule-associated protein tau (MAPT) whose transcript undergoes complex, regulated alternative splicing, giving rise to several mRNA species. MAPT transcripts are differentially expressed in the nervous system, depending on stage of neuronal maturation and neuron type. MAPT gene mutations have been associated with several neurodegenerative disorders such as Alzheimer's disease, Pick's disease, frontotemporal dementia, cortico-basal degeneration and progressive supranuclear palsy. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated



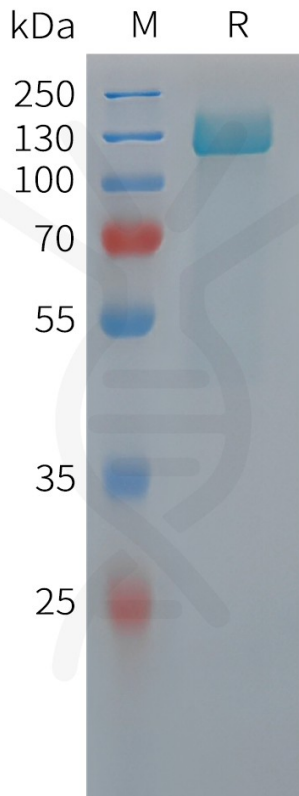


Figure 1. Human MAPT Protein, His Tag on SDS-PAGE under reducing condition.

Human MAPT, His Tagged protein ELISA

0.2 μ g of Human MAPT, His tagged protein per well

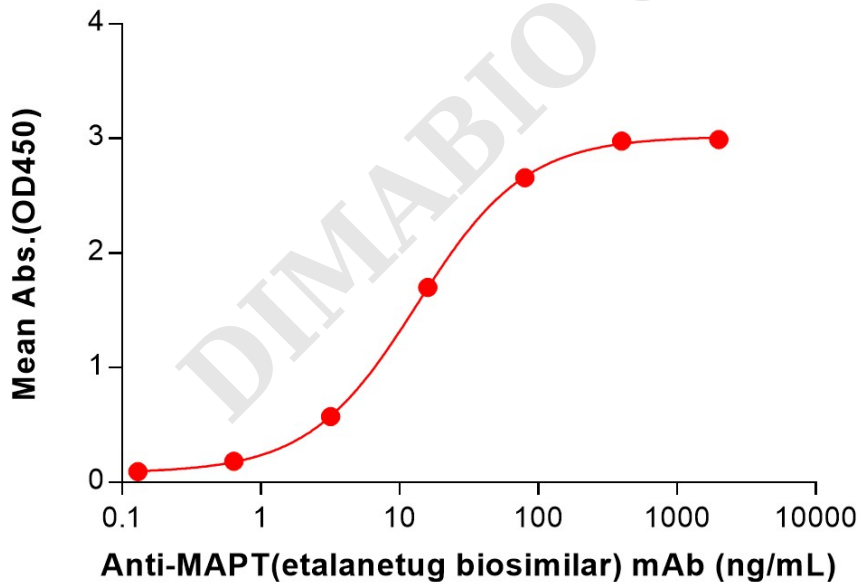


Figure 2. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human MAPT Protein, His Tag (PME101441) can bind Anti-MAPT(etalanetug biosimilar) mAb (BME100498) in a linear range of 0.64–80 ng/mL.

