

Datasheet for 009-001-T72S**Tau-316 protein****Overview**

Description:	Tau-316 recombinant protein - 009-001-T72S
Item No.:	009-001-T72S
Size:	20 µg
Origin:	Human
Expressed in:	E. coli

Product Details

Background:	Tau-316 encodes the microtubule-associated protein tau (MAPT) whose transcript undergoes complex, regulated alternative splicing, giving rise to several mRNA species. Tau-316 transcripts are differentially expressed in the nervous system, depending on stage of neuronal maturation and neuron type (1). Tau-316 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 (2). Tau-316 Protein is ideal for investigators involved in Signaling Proteins, Tau Proteins, Invasion/Metastasis, Neurobiology, and p38 Pathway research.
Synonyms:	Fetal-tau, Tau-A, TAU, MAPT, MSTD, PPND, DDPAC, MAPTL, MTBT1, MTBT2, FTDP-17, Microtubule-associated protein tau
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein

Target Details

Gene Name:	MAPT
Purity/Specificity:	Recombinant full-length human tag-free Tau-316 was expressed in E. coli cells. The purity was determined to be >90% by densitometry.
Relevant Links:	• UniProtKB - P10636-3

Application Details

Application Note:	Tau-316 Protein is stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. Tau-316 Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~39kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.2 µg/µL
Buffer:	See application note.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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