

Tau-316 recombinant protein

Tau-316 Protein

CATALOG # AAA73981	HOST E Coli	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

Tau-316; Tau-316 Protein; Fetal-tau; Tau-A; TAU; MAPT; MSTD; PPND; DDPAC; MAPTL; MTBT1; MTBT2; FTDP-17; Tau-316 recombinant protein

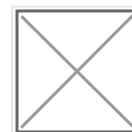
PRODUCT SPECIFICATIONS

Host	E Coli
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for Tau-316 recombinant protein	WB (Western Blot), Kinase Assay
Tag	TAG-Free
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES


SDS-PAGE

Tau Proteins: Representation of seven Tau proteins, from top to bottom: Tau-441, Tau-410, Tau-412, Tau-381, Tau-383, Tau-352 and Tau-316 (Tau Protein Marker).


SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for Tau-316 recombinant protein	Recombinant full-length human tag-free Tau-316 was expressed in E Coli cells. The protein accession number is P10636-3. 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).
Product Categories/Family for Tau-316 recombinant protein	Tau Proteins ; Invasion/Metastasis ; Neurobiology ; p38 Pathway
References	1. Brown, J.et.al: Familial dementia with swollen achromatic neurons and corticobasal inclusion bodies: a clinical and pathological study. J. Neurol. Sci. 135: 21-30, 1996. 2. Alonso, A. D. C. et.al: Alzheimer's disease hyperphosphorylated tau sequesters normal tau into tangles of filaments and disassembles microtubules. Nature Med. 2: 783-787, 1996.

NCBI AND UNIPROT INFORMATION

NCBI GI #	294862258
NCBI GeneID	4137
NCBI Accession #	NP_001116538.2
NCBI GenBank Nucleotide #	NM_001123066.3
UniProt Accession #	P10636; P18518; Q14799; Q15549; Q15550; Q15551; Q1RMF6; Q53YB1; Q5CZ17; Q5XWF0; Q6QT54; Q9UDJ3
Molecular Weight	78,928 Da
NCBI Official Full Name	microtubule-associated protein tau isoform 6
NCBI Official Synonym Full Names	microtubule-associated protein tau
NCBI Official Symbol	MAPT
NCBI Official Synonym Symbols	TAU; MSTD; PPND; DDPAC; MAPTL; MTBT1; MTBT2; FTDP-17
NCBI Protein Information	microtubule-associated protein tau; PHF-tau; paired helical filament-tau; neurofibrillary tangle protein; microtubule-associated protein tau, isoform 4; G protein beta1/gamma2 subunit-interacting factor 1
UniProt Protein Name	Microtubule-associated protein tau
UniProt Gene Name	MAPT
UniProt Synonym Gene Names	MAPTL; MTBT1; TAU; PHF-tau
UniProt Entry Name	TAU_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mapt-recombinant-protein-e-coli-wb-western-blot-kinase-assay/73981>