

TAu recombinant protein

TAu, 1-383aa, Human, His tag, E Coli

CATALOG # AAA48682	HOST E Coli	APPLICATIONS SDS-Page
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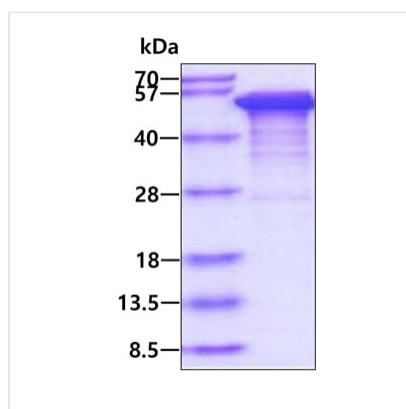
PRODUCT SYNONYMS

TAu; 1-383aa; Human; His tag; E Coli; Microtubule-associated protein tau isoform 3; MAPT; DDPAC; FLJ31424; FTDP-17; MAPTL; MGC138549; MSTD; MTBT1; MTBT2; PPN; TAu recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 85% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol, 0.1M NaCl
Concentration	1.0 mg/ml (determined by BCA assay) (varies by lot)
Sequence Length	383
Applicable Applications for TAU recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	For long term storage, aliquot and store at -20 degree C or -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for TAU recombinant protein	Tau, also known as microtubule-associated protein tau (MAPT), is a protein that stabilizes microtubules. It is abundant in neurons in the central nervous system and is less common elsewhere. When this protein is defective, and no longer stabilizes microtubules properly, it can result in dementias, such as Alzheimer's disease. Recombinant human Tau protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography.
Product Categories/Family for TAU recombinant protein	Neuroscience
References	Cross D., et al. (1993), J Cell Sci, 105: 51-60.; Lubke u., et al. (1994), Am. J. Pathol, 145: 175-188;

NCBI AND UNIPROT INFORMATION

NCBI GI #	8400711
NCBI GeneID	4137
NCBI Accession #	NP_058518
NCBI GenBank Nucleotide #	NM_016834.4
UniProt Accession #	P10636; P18518; Q14799; Q15549; Q15550; Q15551; Q1RMF6; Q53YB1; Q5CZ17; Q5XWF0; Q6QT54; Q9UDJ3
Molecular Weight	42.1 kDa (403aa) confirmed by MALDI-TOF (molecular weight on SDS-PAGE will appear higher)
NCBI Official Full Name	microtubule-associated protein tau isoform 3
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; PPP1R103
NCBI Protein Information	microtubule-associated protein tau
UniProt Protein Name	Microtubule-associated protein tau
UniProt Gene Name	MAPT
UniProt Synonym Gene Names	MAPTL; MTBT1; TAU; PHF-tau

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.