

Tau/TAU441 recombinant protein

Human Tau/TAU441 Protein (isoform 2N4R, His Tag)

CATALOG #
AAA259220

HOST
E coli

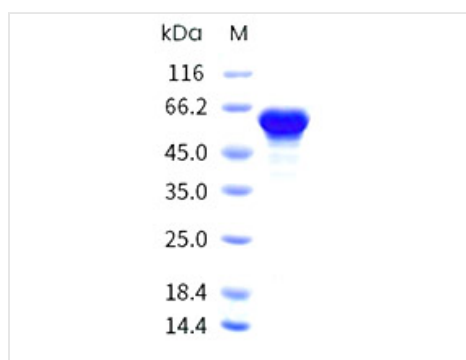
PRODUCT SYNONYMS

Tau/TAU441; Human Tau/TAU441 Protein (isoform 2N4R; His Tag); microtubule-associated protein tau; DDPAC Protein; Human; FTDP-17 Protein; MAPT Protein; MAPTL Protein; MSTD Protein; MTBT1 Protein; MTBT2 Protein; PPND Protein; PPP1R103 Protein; TAU Protein; Tau/TAU441 recombinant protein

PRODUCT SPECIFICATIONS

Host	E coli
Purity/Purification	? 95 % as determined by SDS-PAGE. ? 95 % as determined by SEC-HPLC
Form/Format	Lyophilized from sterile 50 mM Tris, 150 mM NaCl, 1 mM TCEP, 1 mM EDTA, pH 7, 5% Trehalose, 5% Mannitol, 0.01% Tween-80.
Source	E. coli-derived Human Tau / TAU441 Protein (isoform 2N4R, His Tag) Ala2-Leu441, Accession # P10636-8 Species
Predicted N Terminal	Met
Endotoxin	<1.0 EU per ug of the protein as determined by the LAL method
Protein Construction	A DNA sequence encoding the Human Tau/TAU441 (P10636-8)(Ala2-Leu441) was expressed, with a polyhistidine tag at the N-terminus.
Reconstitution	Reconstituted with sterile deionized water to 0.25 mg/mL.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

References	Harada A, et al. (1994) Altered microtubule organization in small-calibre axons of mice lacking tau protein. Nature. 369(6480):488-91. Weingarten MD, et al. (1975) A protein factor essential for microtubule assembly. Proc Natl Acad Sci. 72(5):1858-62. Goedert M, et al. (1989) Multiple isoforms of human microtubule-associated protein tau: sequences and localization in neurofibrillary tangles of Alzheimer's disease. Neuron. 3(4): 519-26.
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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	46.68 kDa The recombinant Human Tau / TAU441 consists of 447 amino acids and predicts a molecular mass of 46.68 kDa
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mapt-recombinant-protein-e-coli/259220>