

TAu recombinant protein

TAu, 1-412aa, Human, His tag, E Coli

CATALOG # AAA48701	HOST E Coli	APPLICATIONS SDS-Page
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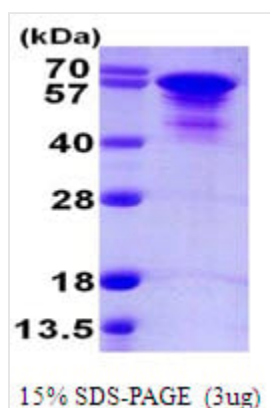
PRODUCT SYNONYMS

TAu; 1-412aa; Human; His tag; E Coli; Microtubule-associated protein tau isoform 5; MAPT; MAPTL; MTBT1; PHF-tau; TAu recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 80% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 20% glycerol
Concentration	0.5 mg/ml (determined by BCA assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MAEPRQEFEV MEDHAGTYGL GDRKDQGGYT MHQDQEGDTD AGLKESPLQT PTEDGSEEPG SETSDAKSTP TAEAEAGIG DTPSLEDEAA GHVTQARMVS KSKDGTGSDD KKAKGADGKT KIATPRGAAP PGQKGQANAT RIPAQTTPAP KTPSSGEPP KSGDRSGYSS PGSPGTPGSR SRTPSLPTPP TREPKKVAVV RTPPKSPSSA KSRLQTAPVP MPDLKNVSKS IGSTENLKHQ PGGGKVQIIN KKLDLSNVQS KCGSKDNIKH VPGGGSVQIV YKPVDLSKVT SKCGSLGNIH HKPGGGQVEV KSEKLDKDR VQSKIGSLDN ITHVPGGGNK KIETHKLTFR ENAKAKTDHG AEIVYKSPVV SGDTSPRHLS NVSSTGSIDM VDSPQLATLA DEVSASLAKQ GL
Sequence Length	412
Applicable Applications for TAU recombinant protein	SDS-PAGE
Tag Information	His-tag
Domain	1-412aa
Preparation and Storage	Store at 2-8 degree C for 1 week. For long term storage, aliquot and store at -20 to -80 degree C Avoid repeated freeze/thaw cycles

IMAGES



SDS-PAGE

3ug 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 property, 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 #	178557736
NCBI GeneID	4137
NCBI Accession #	NP_001116539
NCBI GenBank Nucleotide #	NM_001123067.3
UniProt Accession #	P10636; P18518; Q14799; Q15549; Q15550; Q15551; Q1RMF6; Q53YB1; Q5CZ17; Q5XWF0; Q6QT54; Q9UDJ3
Molecular Weight	45.1 kDa (432aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)
NCBI Official Full Name	microtubule-associated protein tau isoform 5
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.

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Online datasheet: <https://www.aaabiotech.com/mapt-recombinant-protein-e-coli-sds-page/48701>