

Microtubule-associated protein tau Recombinant Protein | TAU recombinant protein

Recombinant Rat Microtubule-associated protein tau

CATALOG # AAA309779	HOST Yeast	REACTIVITY Rat
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PRODUCT SYNONYMS

Microtubule-associated protein tau; Recombinant Rat Microtubule-associated protein tau; Neurofibrillary tangle protein; Paired helical filament-tau; PHF-tau; TAU recombinant protein

PRODUCT SPECIFICATIONS

Host	Yeast
Reactivity	Rat
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	20mM Tris-HCl based buffer, pH8.0
Sequence Positions	Full Length, 2-752aa
Sequence	AEPRQEFDTM EDQAGDYTML QDQEGDMDHG LKESPPQPPA DDGSEEPGSE TSDAKSTPTA EDVTAPLVEE RAPDKQATAQ SHTEIPEGTT AEEAGIGDTP NMEDQAAGHV TQEPQKVEIF SQSLLVEPGR REGQAPDSGI SDWTHQQVPS MSGAPLPPQG LREATHQPLG TRPEDVERSH PASELLWQES PQKEAWGKDR LGSEEEVDDED ITMDESSQES PPSQASLAPG TATPQARSVS ASGVSGETTS IPGFPAEGSI PLPADFFSKV SAETQASPPE GPGTGPEEG HEAAPEFTFH VEIKASAPKE QDLEGATVVG APAEEQKARG PSVGKGKTEA SLLEPTDKQP AAGLPGRPVS RVPQLKARVA GVSKDRTGND EKKAKTSTPS CAKTPSNRPC LSPTRPTPGS SDPLIKPSSP AVCPEPATSP KYVSSVTPRN GSPGTKQMKL KGADGKTGAK IATPRGAATP GQKGTSNATR IPAKTTSPK TPPGSGEPPK SGERSGYSSP GSPGTPGSRS RTPSLTPPT REPKKVAVVR TPPKSPSASK SRLQTAPVPM PDLKNVRSKI GSTENLKHQP GGGKVQIINK KLDLSNVQSK CGSKDNIKHV PGGGSVHIVY KPDLSKVTS KCGSLGNIHH KPGGGQVEVK SEKLDKDRV QSKIGSLDNI THVPGGGNKK IETHKLTFRE NAKAKTDHGA EIVYKSPVVS GDTSPRHLSN VSSTGSIDMV DSPQLATLAD EVSASLAKQG L
Tag Info	His-tag
Preparation and Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

ADDITIONAL INFORMATION

Related Product Information for TAU recombinant protein	Promotes microtubule assbly and stability, and might be involved in the establishment and maintenance of neuronal polarity. The C-terminus binds axonal microtubules while the N-terminus binds neural plasma mbrane components, suggesting that tau functions as a linker protein between both. Axonal polarity is predetermined by tau localization (in the neuronal cell) in the domain of the cell body defined by the centrosome. The short isoforms allow plasticity of the cytoskeleton whereas the longer isoforms may preferentially play a role in its stabilization.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13432197
NCBI GeneID	29477
UniProt Accession #	P19332; Q63567; Q63677; Q9QW06
Molecular Weight	80.4kD
NCBI Official Full Name	Microtubule-associated protein tau

NCBI Official Synonym Full Names	microtubule-associated protein tau
NCBI Official Symbol	Mapt
NCBI Official Synonym Symbols	Tau; pTau; Mtapt; RNPTAU
NCBI Protein Information	microtubule-associated protein tau
UniProt Protein Name	Microtubule-associated protein tau
UniProt Gene Name	Mapt
UniProt Synonym Gene Names	Mtapt; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/mapt-recombinant-protein-yeast/309779>