



Recombinant Rat Microtubule-associated protein tau (Mapt)

Product Code	CSB-BP013481RA
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P19332
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	AEPRQEFDTMEDQAGDYTMLQDQEGDMDHGLKESPPQPPADDGSEEPGSE TSDAKSTPTAEDVTAPLVEERAPDKQATAQSHTEIPEGTTAEEAGIGDTPNME DQAAGHVTTQEPQKVEIFSQSLLVEPGRREGQAPDSGISDWTHQQVPSMSG PLPPQGLREATHQPLGTRPEDVERSHPASELLWQESPQKEAWGKDRLGSEE EVDEDITMDESSQESPPSQASLAPGTATPQARSVSASGVSGETTSIPGFPAEG SIPLPADFFSKVSAETQASPPEGPGTGPSEEGHEAAPEFTFHVEIKASAPKEQ DLEGATVVGAPAEQKARGPSVGKGTKEASLLEPTDKQPAAGLPGRPVS RVPQLKARVAGVSKDRTGNDEKKAKTSTPSCAKTPSNRCLSPTRPTPGSSDPLIK PSSPAVCPEPATSPKYVSSVTPRNGSPGKQMKLKGADGKTGAKIATPRGAA TPGQKGTSNATRIPAKTTPSPKTPPGSGEPPKSGERSGYSSPGSPGTPGSR RTPSLPTPTREP KKVAVVRTPPKSPSASKSRLQTAPVMPDLKNVRSKIGST ENLKHQPGGGKVQIINKKLDLSNVQSKCGSKDNIKHVPGGGSVHIVYKPDLS KVTSKCGSLGNIHHKPGGGQVEVKSEKLDKDRVQSKIGSLDNITHVPGGGNK KIETHKLTFRENAKAKTDHGAEIVYKSPVVS GDTSPRHLSNVSSSTGSIDMVDSP QLATLADEV SASLAKQGL
Research Area	Others
Source	Baculovirus
Target Names	Mapt
Protein Names	Recommended name: Microtubule-associated protein tau Alternative name(s): Neurofibrillary tangle protein Paired helical filament-tau Short name= PHF-tau
Expression Region	2-752aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4? for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes the microtubule-associated protein tau (MAPT) whose transcript undergoes complex, regulated alternative splicing, giving rise to several mRNA species. MAPT transcripts are differentially expressed in the



nervous system, depending on stage of neuronal maturation and neuron type. MAPT 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.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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