



# Recombinant Rat Microtubule-associated protein tau (Mapt)

<b>Product Code</b>	CSB-EP013481RA-B
<b>Storage</b>	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.
<b>Uniprot No.</b>	P19332
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	AEPRQEFDTMEDQAGDYTMLQDQEGDMDHGLKESPPQPPADDGSEEPGSE TSDAKSTPTAEDVTAPLVEERAPDKQATAQSHTEIPEGTTAEEAGIGDTPNME DQAAGHVVTQEPQKVEIFSQSLLVEPGRREGQAPDSGISDWTHQQVPSMSG PLPPQGLREATHQPLGTRPEDVERSHPASELLWQESPQKEAWGKDRLGSEE EVDEDITMDESSQESPPSQASLAPGTATPQARSVSASGVSGETTSIPGFPAEG SIPLPADFFSKVSAETQASPPEGPGTGPSEEGHEAAPEFTFHVEIKASAPKEQ DLEGATVVGAPAEQKARGPSVGKGTKEASLLEPTDKQPAAGLPGRPVS RVPQLKARVAGVSKDRTGNDEKKAKTSTPSCAKTPSNRCLSPTRPTPGSSDPLIK PSSPAVCPEPATSPKYVSSVTPRNGSPGTKQMMLKGADGKTGAKIATPRGAA TPGQKGTSNATRIPAKTTPSPKTPPGSGEPPKSGERSGYSSPGSPGTPGSR RTPSLPTPTREP KKVAVVRTPPKSPSASKSRLQTAPVMPDLKNVRSKIGST ENLKHQPGGGKVQIINKKLDLSNVQSKCGSKDNIKHVPGGGSVHIVYK PVDLSKVTSKCGSLGNIHHKPGGGQVEVKSEKLDKDRVQSKIGSLDNITHV PGGGNKKIETHKLTFRENAKAKTDHGAEIVYKSPVVS GDTSPRHLSNVSSSTGSIDMVDSPQLATLADEV SASLAKQGL
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	Mapt
<b>Protein Names</b>	Recommended name: Microtubule-associated protein tau Alternative name(s): Neurofibrillary tangle protein Paired helical filament-tau Short name= PHF-tau
<b>Expression Region</b>	2-752aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4? for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.

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**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.

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**Shelf Life**

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