



# Recombinant Mouse Microtubule-associated protein tau (Mapt)

<b>Product Code</b>	CSB-MP013481MO
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P10637
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	ADPRQEFDT MEDHAGDYTL LQDQEGDMDH GLKESPPQPP ADDGAEPPGS ETSDAKSTPT AEDVTAPLVD ERAPDKQAAA QPHTEIPEGI TAE EAGIGDT PNQEDQAAGH VTQGRREGQA PDLGTSDWTR QQVSSMSGAP LLPQGLREAT CQPSGTRPED IEKSHPASEL LRRGPPQKEG WGQDRLGSEE EVDEDLTVDE SSQDSPPSQA SLTPGRAAPQ AGSGSVCGET ASVPLPTEG SVPLPADFFS KVSAETQASQ PEGPGTG PME EGHEAAPEFT FHVEIKASTP KEQDLEGATV VGVPGEEQKA QTQGPSVGKG TKEASLQEPP GKQPAAGLPG RPVSRVPQLK ARVASKDRTG NDEKKAKTST PSCAKAPSHR PCLSPTRPTL GSSDPLIKPS SPAVSPEPAT SPKHVSSVTP RINGSPGTKQM KLGADGKTG AKIATPRGAA SPAQKGT SNA TRIPAKTTPS PKTPPGSGEP PKSGERSGYS SPGSPGTPGS RSRTPSLPTP PTREP KKVAV VRTPPKSPSA SKSRLQTAPV PMPDLKNVRS KIGSTENLKH QPGGGKVQII NKKLDLSNVQ SKCGSKDNIK HVPGGGSVQI VYKPV DLSKV TSKCGSLGNI HHKPGGGQVE VKSEKLD FDK RVQSKIGSLD NITHVPGGGN KKIETHK LTF RENAKAKTDH GAEIVYKSPV VSGDTSRHL SNVSSTGSID MVDSPQLATL ADEVSASLAK QGL
<b>Source</b>	Mammalian cell
<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>	2-733
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C 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**

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.