

## 32-8308: Recombinant Human Microtubule-Associated Protein Tau F/MAPT-F/TAU-F

**Gene :** MAPT  
**Gene ID :** 4137  
**Uniprot ID :** P10636

### Description

Source: E.coli.  
MW :45.85kD.

Recombinant Human Microtubule-Associated Protein Tau-F is produced by our E.coli expression system and the target gene encoding Met1-Leu441 is expressed. Tau proteins are proteins which contain four Tau/MAP repeats. They promote microtubule assembly and stability, and might be involved in the establishment and maintenance of neuronal polarity. They are abundant in neurons of the central nervous system and are less common elsewhere, but are also expressed at very low levels in CNS astrocytes and oligodendrocytes. The tau proteins are the product of alternative splicing from a single gene that in humans is designated MAPT. When tau proteins are defective, and no longer stabilize microtubules properly, they can result in several neurodegenerative disorders such as Alzheimer's disease, Pick's disease, frontotemporal dementia, cortico-basal degeneration and progressive supranuclear palsy.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS,pH 7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MAEPRQEFVEMEDHAGTYGLGDRKDQGGYTMHQDQEGDTDAGLKESPLQTPTEGSEEPGSETSDAKSTPT AEDVTAPLVDEGAPGKQAAQPHTEIPEGTTAEEAGIGDTPSLEDEAAGHVTQARMVSKSKDGTGSDDKKAK GADGKTKIATPRGAAPPQKGQANATRIPAKTPPAPKTPPSSGEPPKSGDRSGYSSPGSPGTPGSRSRTPSLPTP PTREPKKVAVVRTPPKSPSSAKSRLQTAPVMPDLKNVSKIGSTENLKHQPGGGKVQIINKKLDLSNVQSKCG SKDNIKHVPGGGSVQIVYKPVDLSKVTSKCGSLGNIHHKPGGGQVEVKSEKLDKDRVQSKIGSLDNITHVPGG GNKKIETHKLTFRENAKAKTDHGAEIVYKSPVVS GDTSPRHLSNVSSSTGSIDMVDSPQLATLADEV SASLAKQG L

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.