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## Product Datasheet

### Rat Mapt Protein (orb1477840)

**Description**

Recombinant Rat Microtubule-associated protein tau(Mapt) (Active)

**Endotoxins**

Less than 1.0 EU/ug as determined by LAL method.

**Preservatives**

Lyophilized from a 0.2 µm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0

**Form/Appearance**

Lyophilized powder

**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.

**Tag**

N-terminal 10xHis-tagged

**Note**

For research use only

**Application notes**

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.

**Protein Sequence**

AEPRQEFDTMEDQAGDYTMLQDQEGDMDHGLKESPPQPPADDGSEEPGSETS  
 DAKSTPTAEDVTAPLVEERAPDKQATAQSHTIPEGTAAEEAGIGDTPNMEDQA  
 AGHVTQEPQKVEIFSQSLLVEPGRREGQAPDSGISDWTHTQQVPSMSGAPLPPQ  
 GLREATHQPLGTRPEDVERSHPASELLWQESPQKEAWGKDRLGSEEEVDEIT  
 MDESSQESPPSQASLAPGTATPQARSVSASGVSGETTSIPGFPAEGSIPLPADFFS  
 KVSQETQASPPGPGTGPSEEGHEAAPEFTFHVEIKASAPKEQDLEGATVVGAPA  
 EEQKARGPSVKGKTEASLLEPTDKQPAAGLPGRPVSVPQLKARVAGVSKDRT  
 GNDEKKAKTSTPSCAKTSPNRCLSPTRPTPGSSDPLIKPSSPAVCPEPATSPKYV  
 SSVTPRNGSPGKQMKLKGADGKTGAKIATPRGAATPGQKGTSNATRIPAKTTP  
 SPKTPPGSGEPPKSGERSGYSSPGSPGTPGSRSRTPSLPTPPTREPKKVAVVRTP  
 PKSPSASKSRLQTAPVMPDLKNVRSKIGSTENLKHQPGGGKVQIINKKLDLSNV  
 QSKCGSKDNIKHVPGGGSVHIVYKPVDSLKVTSKCGSLGNIHHKPGGGQVEVKS  
 EKLDKDRVQSKIGSLDNITHVPGGGNKKIETHKLTFRENAKAKTDHGAEIVYKSP  
 VVSGDTSRHLNSVSTGSIDMVDSPLATLADEVASLAKQGL

**Purity**

Greater than 95% as determined by SDS-PAGE.

**Source**

Mammalian cell

**MW**

81.2 kDa

**Uniprot ID**
[P19332](#)
**Expiration Date**

6 months from date of receipt.