

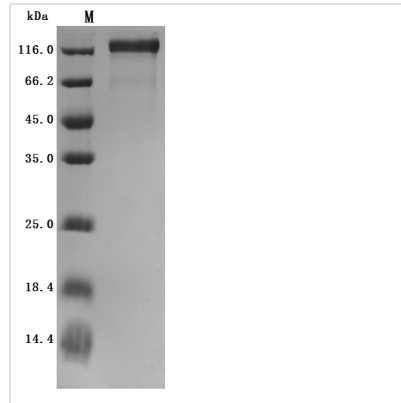


Recombinant Rat Microtubule-associated protein tau (Mapt) (Active)

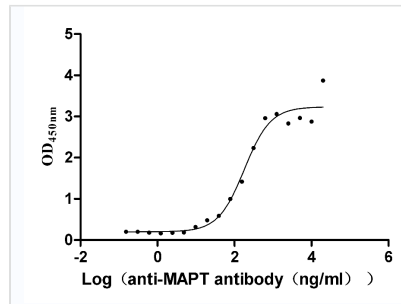
Product Code	CSB-MP013481RA
Abbreviation	Recombinant Rat Mapt protein (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P19332
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 μm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Rat Mapt at 2 μg/ml can bind anti-MAPT recombinant antibody (CSB-RA013481A1HU), the EC ₅₀ is 136.2-238.9 ng/mL.
Purity	≥ 95% as determined by SDS-PAGE.
Sequence	AEPRQEFDTMEDQAGDYTMLQDQEGDMDHGLKESPPQPPADDGSEEPGSE TSDAKSTPTAEDVTAPLVEERAPDKQATAQSHTIPEGTTAEEAGIGDTPNME DQAAGHVTQEPQKVEIFSQSLLVEPGRREGQAPDSGISDWITHQQVPSMSG PLPPQGLREATHQPLGTRPEDVERSHPASELLWQESPQKEAWGKDRLGSEE EVDEDITMDESSQESPPSQASLAPGTATPQARSVSASGVSGETTSIPGFPAEG SIPLPADFFSKVSAETQASPEEGPGTGPSEEGHEAAPEFTFHVEIKASAPKEQ DLEGATVVGAPAEQKARGPSVGKGTKEASLLEPTDKQPAAGLPGRPVS RVPQLKARVAGVSKDRTGNDEKKAKTSTPSCAKTPSNRCLSPTRPTPGSSDPLIK PSSPAVCPEPATSPKYVSSVTPRNGSPGTKQMMLKGADGKTGAKIATPRGAA TPGQKGTSNATRIPAKTTPSPKTPPGSGEPPKSGERSGYSSPGSPGTPGSRS RTPSLPTPPTREP KKVAVVRTPPKSPSASKSRLQTAPVMPDLKNVRSKIGST ENLKHQPGGGKVQIINKKLDLSNVQSKCGSKDNIKHVPGGGSVHIVYKPDLS KVTSKCGSLGNIHHPGGGQVEVKSEKLDKDRVQSKIGSLDNITHVPGGGNK KIETHKLTFRNAKAKTDHGAEIVYKSPVVS GDTSPRHLSNVSSSTGSIDMVDSP QLATLADEV SASLAKQGL
Source	Mammalian cell
Target Names	Mapt
Expression Region	2-752aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged



Mol. Weight	81.2 kDa
Protein Length	Full Length of Mature Protein

Image


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Activity
 Measured by its binding ability in a functional ELISA. Immobilized Rat Mapt at 2 μ g/ml can bind anti-MAPT recombinant antibody (CSB-RA013481A1HU), the EC₅₀ is 136.2-238.9 ng/mL.

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