

Product datasheet for **RN208301**

Mapt (NM_017212) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mapt (NM_017212) Rat Untagged Clone
Tag: Tag Free
Symbol: Mapt
Synonyms: Mtapt; pTau; RNPTAU; Tau
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN208301 representing NM_017212
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGAACCCCGCCAGGAGTTTGACACAATGGAAGACCAGGCCGGAGATTACACTATGCTCCAAGACC
 AAGAAGGAGACATGGACCATGGCTTAAAAGCTGAAGAAGCAGGCATCGGAGACACCCGAACATGGAGGA
 CCAAGCTGCTGGGCATGTGACTCAAGCTCGAGTGGCCGGCGTAAGCAAAGACAGGACAGGAAATGACGAG
 AAGAAAGCCAAGGGCGCCGATGGCAAAACGGGGCGAAGATCGCCACACCTCGGGGAGCAGCCACTCCGG
 GCCAGAAAGGCACATCCAATGCCACCAGGATCCCAGCCAAGACCACCCAGCCAAAGACTCCTCCAGG
 ATCAGGTGAACCAAAAATCCGGAGAACGAAGCGGCTACAGCAGCCCGGCTCGCCCGGAACCCCTGGC
 AGTCGCTCCCGTACCCCATCCCTACCAACGCCGCCACCCGAGAGCCAAAAAGGTGGCAGTGGTTCGCA
 CTCCCCCTAAGTCACCGTCTGCCAGTAAGAGCCGCCTACAGACTGCCCTGTGCCATGCCAGACCTAAA
 GAACGTCAGGTCCAAGATTGGCTCCACTGAGAACCTGAAGCACCAGCCGGGAGGCGGCAAGGTGCAGATA
 ATTAATAAGAAGCTGGATCTTAGCAACGTCCAGTCCAAGTGTGGCTCAAAGGACAATATCAAACACGTCC
 CGGGCGGAGGCAGTGTGCAAATAGTCTACAAGCCAGTGGACCTGAGCAAGGTGACCTCCAAGTGTGGTTC
 CTTAGGGAACATCCATCACAAGCCAGGAGTGGCCAGGTAGAAGTAAAATCAGAGAAGCTGGACTTCAAG
 GATAGAGTCCAGTCAAGATTGGCTCCTTGATAAACATCACCCATGTCCCTGGAGGAGGGAATAAGAAGA
 TTGAAACCCACAAGCTGACCTTCAGGGAGAATGCCAAAGCCAAGACAGACCATGGAGCAGAAATCGTGTA
 CAAGTCACCTGTGGTGTCTGGGGACACATCTCCACGGCACCTCAGCAACGTCTCTCCACGGGCAGCATC
 GACATGGTGGACTCTCCACAGTTGCCACGTTAGCCGATGAAGTGTCCGCCTCTTTGGCCAAGCAGGGTT
 TGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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|-------------------------------|---|
| ACCN: | NM_017212 |
| Insert Size: | 1125 bp |
| OTI Disclaimer: | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP). |
| Components: | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water). |
| Reconstitution Method: | <ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C. |
| RefSeq: | <u>NM_017212.2</u> , <u>NP_058908.2</u> |
| RefSeq Size: | 5159 bp |
| RefSeq ORF: | 1125 bp |
| Locus ID: | 29477 |
| Cytogenetics: | 10q32.1 |
| Gene Summary: | a microtubule-associated protein; expression is found specifically in neurons [RGD, Feb 2006] |