

Product datasheet for **RN207781**

Mttp (NM_001107727) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mttp (NM_001107727) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mttp
Synonyms:	MTP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN207781 representing NM_001107727

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

 ATGATCCTCTTAGCTGTGCTTTTCTCTGTTTCTCTCCTCGTATTCTGCTTCTGTCAAAGGTCACACAA
 CTGGCCTCTCATTAAATAATGAGCGGCTATACAAGCTCACGTACTCCACCGAAGTGTTCCTCGATGGGG
 CAAAGGAAAACCTGCAGGACACGCTGGGCTACCGGATCTCATCGGACGTGGACGTTGTGTTACTGTGGAGG
 AATCCCGACGGTGACGATGATCAACTGATCCAAGTCACGATAACGGCTGTCAATGTGAAAAATGCGGGTC
 AGCAGAGAGGAGAGAAGAGCATCTTCAAGGGCAAAAGTACACCTAAGATCGTAGGAAAGGACAACCTGGA
 GGCTCTACGGAGACCCATGCTTCTTCTGCTGGTCCGGGGAAAGGTCAAAGAGTTCTACTCTATGAAAT
 GAGCCCGTGGGCATAGAAAATCTCAAGAGAGGCTTGGCTAGCTTATTCCAGATGCAGTTAACCTCTGGAA
 CCACCAATGAGGTAGATATCTCTGGGGATTGTAAAGTACCTACCAGGCTCAGCAAGACAAAGTGGTCAA
 AATTAAGGCTCTGGATACATGAAAATTGAGAGGTCCGGATTTACAACAGCAAATCAGGTCTGGGTGTC
 ACTTCAAAGCCACCTCTGTCACTACCTATAAGATAGAGGACAGCTTTGTCAAGCAGTGGTTGCAGAAAG
 AGACCAGGGCTTTTGCCTTGAACCTCTACAAACCGTGGCAGGAAAAATAGTGTGCAAGCAGAAATTGGA
 GCTGAAGACAACGGAAGCCGGCCCAAGAATGGTACCTGGGAAGCAAGTGGCAGGAGTAATTAAGGCAATT
 GATTCCAAGTACAAAGCCATTCCCATTTGTTGGGACAGGTCTCCAGAGTGTCTGTAAGGCTGTCTTCTC
 TGGCGGAGCACTGGCAATCTATCAGGAAGCACCTAGAACCTGAGAACCTGTCCAACGCCGAGGCGCTCCA
 GAGCTTCTGGCCTTCATTACAGCACCTCCGCACTTCGAGGAGAGAAGAGATCCTTCAGATTCTGAAGGCA
 GAGAAGAAAGAAGTTCTCCCTCAGCTGGTGGACGCCGTACCTCTGCTCAGACTCCAGCCTCACTGGAAG
 CCATCTGGACTTTTGGATTTCAAAGCGCAGCAGTATCATTCTCAGGAAAGGTTCTCTATGCATG
 TGGATTTGCCTCCCATCCTGATGAAGAACTCCTGCAAGCCCTCCTTAGCAAGTTCAAAGGTTCTTTGCA
 AGCAACGACATCAGAGAGTCGGTTATGATCATCATTGGAGCCCTAGTCAGGAAGCTGTGTGAGAATGAAG
 GCTGCAAGCTCAAGGCAGTGGTTGAAGCTAAGAAGCTAATCCTGGGAGGACTTGAAAAACAGAGAAGAA
 AGAGGACACCACGATGTACCTGTGGCTCTGAAGAAGCCCTGCTTCTGAAGGCATCCCGCTCCTTTTG
 AAGTACGCTGAGGCTGGGAAGGGCCCGTCAGTCACCTGGCTACCACTGTTCTCCAGAGATACGATGCCCT
 CCTTCATCACAGACGAGGTGAAGAAGACCTTGAACAGGATATACCATCAGAATCGTAAGGTTTCATGAAA
 GACTGTACGCACAACGGCTGCTGCTGTCATCTTAAAGAACAACCCCTCCTACATGGATGTGAAGAACATT
 CTGCTGTCTATTGGGGAACCTCCTAAAGAAATGAACAAATACATGCTCACCATCGTGCAAGACATCTGCTG
 ATTTGCAAAATGCCTGCAAGCAAAATGATCCGTCGGGTTCTCAAGGAGATGATTGTTCCAAATTATGACCG
 TTTCTCCAAGAGTGGATCCTCTTCTGCCTACACTGGCTACGTAGAACGCAGTCCCCACGCGGCGTCCACC
 TACAGCCTTGATATCCTCTACTCTGGGTCTGGCATTCTGAGGAGAAGTAACCTGAACATCTTCCAGTACA
 TCGGAAAGGCGGAGCTGCATGGCAGCCAGGTGGTCATTGAAGCCCAAGGGCTGGAAGGCTTAATTGCAGC
 CACTCCAGATGAGGGAGAGGAGAACCTTGACTCGTATGCTGGTATGTGAGCCATCCTGTTTGATGTTTCA
 CTTAGACCTGTCACGTTCTTTAACGGATACAGTGATTTGATGTCCAAATGCTGTGCGCGTCCGGCGACC
 CTGTGAGTGTGGTGAAAGGACTTATTCTGCTAATAGACCATTCTCAGGATATTGAGCTGCAATCTGGACT
 AAAGGCCAATATGGACATCCAGGGTGGTCTAGCCATTGACATTTCTGGTTCAATGGAATTCAGTCTGTGG
 TACCGCGAGTCTAAACCCGAGTGAAAAATCGGGTGGCTGTGGTAATAACCAGCGACATCAGAGTGGACT
 CGTCTTTTGTGAAAGCTGGTCTGAAAGCAGAGCAGAGACAGAGGCTGGCCTGGAGTTTCTCTCCACAGT
 GCAGTTCTCCAGTACCCGTTCTTGGTCTGCATGCAGATGGACAAAGCCGAGGCTCCACTCAGGCAATTT
 GAGACAAAGTATGAAAGGCTATCCACAGGGAGGGGCTATGTCTCTCGGAGAAGAAAGAGAGCCTAGTGC
 CCGGATGTGAATCCCGCTCCATCAAGAGAACTCTGAGATGTGAACGTGGTATTCCCGCTCAGCCAGA
 GAGCGGCAACTCCGGTGGTGGATGGTT**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001107727

Insert Size:	2691 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:	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_001107727.1, NP_001101197.1</u>
RefSeq Size:	3997 bp
RefSeq ORF:	2691 bp
Locus ID:	310900
UniProt ID:	<u>D4A1W8</u>
Cytogenetics:	2q44
Gene Summary:	Catalyzes the transport of triglyceride, cholesteryl ester, and phospholipid between phospholipid surfaces (PubMed:15897609, PubMed:16478722). Required for the assembly and secretion of plasma lipoproteins that contain apolipoprotein B (By similarity). May be involved in regulating cholesteryl ester biosynthesis in cells that produce lipoproteins (By similarity).[UniProtKB/Swiss-Prot Function]