

Product datasheet for **MC204263**

Mttp (NM_008642) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mttp (NM_008642) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mttp
Synonyms:	1810043K16Rik; MTP
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC012686
 CCACGCGTCCGGACTGGATGTGGCAGAGGGAGCCAGCATGATCCTCTTGGCAGTGCTTTTTCTCTGCTTC
 TTCTCCTCCTACTCTGCTTCCGTTAAAGGTCACACAACCTGGCCTCTCATTAAATAATGAGCGGCTATACA
 AGCTCAGTACTCCACTGAAGTGTCTTGTGATGGGGCAAAGGAAAACCGCAAGACAGCGTGGGTACAA
 AATCTCATCTGATGTGGACGTTGTACTGTGGAGGAATCCTGATGGTGATGATGATCAAGTGATCCAA
 GTCACGATAACAGCTGTTAACGTTGAAAATGCGGGTCAACAGAGAGGCGAGAAGAGCATCTCCAGGGCA
 AAAGTACACCTAAGATCATAGGGAAGGACAACCTGGAGGCTCTGCAGAGACCCATGCTTCTTCATCTGGT
 CCGGGGAAGGTC AAGGAGTTCTACTCCTATGAAAACGAGCCAGTGGGCATAGAAAATCTCAAGAGAGGC
 TTGGCTAGCTTATTCCAGATGCAGCTAAGCTCTGGAACCTACCAACGAGGTAGATATCTCTGGGGATTGTA
 AAGTGACCTACCAGGCCAACAGACAAAGTGGTCAAAATTAAGGCTCTGGATACATGCAAAATTGAGCG
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 CCATAGCAGGAAAAATAGTGTCAAAGCAGAAATGGAGCTGAAGACAACCTGAAGCCGGCCCAAGGATGAT
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 CAGGTCCTCGAGCGTGTCTGCAAAGGATGCCCTTCTCTGGCGGAGCACTGGAAGTCCATCAGAAAAGAAC
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 ACGAGCCCTCCTTAGTAAGTTCAAAGGTTCTTTGCAAGCAACGACATCAGAGAGTCGGTTATGATCATC
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 AAATACATGCTCACCGTTGTGCAAGACATCCTGCATTTTGAATGCCTGCAAGCAAAATGATCCGTCGAG
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 CTACGTAGAACGTAGCCCCGTGCAGCGTCCACATACAGCCTTGACATCCTTTACTCTGGCTCTGGCATT
 CTGAGGAGAAGTAACCTGAACATCTCCAGTACATCGGGAAGGCAGAGCTTCATGGTAGTCAGTGGTGA
 TTGAAGCCCAAGGCTGGAAGGCTTAATTCAGCCACTCCTGATGAAGGAGAGGAGAACCTTGACTCTTA
 TGCTGGCATGTCAGCCATCCTGTTTGTGATGTTACGCTTAGCCCTGTACATTTTTTAATGGATACAGTGAT
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 ACCATTCTCAGGATATTCAGCTGCAATCTGGACTAAAGGCCAATATGGAGATCCAGGGTGGTCTAGCTAT
 TGATATTTCTGGTTCAATGGAATTCAGTCTGTGGTATCGCGAGTCTAAAACCCGAGTGAAAAATCGGGTG
 GCTGTGGTGATAACCAGCGACGTACAGTGGATGCCTCTTTTGTGAAAGCTGGTCTGGAAGCAGAGCGG
 AGACAGAGGCTGGGCTGGAGTTCATCTCCACAGTGCAGTTCTCACAGTACCCGTTCTTGGTCTGCATGCA
 GATGGACAAGGCTGAAGCCCACTCAGGCAATTCGAGACAAAGTATGAAAGGCTATCTACAGGCAGGGGA
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 GGTTCCCTTCCACCAGAACGATATGCTATGACGTGCCTGACCCCTGCTCTCTGAGAGCACAGTGTTTACA
 TATTTACCTGTATTTAAGATGTTTGTAAAGAGCAGTGGAGAACCTCAGTTGATTAAGGTTGAACCTATTC
 AGGAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_008642
Insert Size: 2685 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:	BC012686 , AAH12686
RefSeq Size:	2891 bp
RefSeq ORF:	2685 bp
Locus ID:	17777
UniProt ID:	O08601
Cytogenetics:	3 64.06 cM
Gene Summary:	Catalyzes the transport of triglyceride, cholesteryl ester, and phospholipid between phospholipid surfaces. Required for the secretion of plasma lipoproteins that contain apolipoprotein B. May be involved in regulating cholesteryl ester biosynthesis in cells that produce lipoproteins. Loads phospholipid into the C1D1 antigen-binding groove. Isoform 2 is critical for the development of natural killer T (NKT) cells. May have a role in the biogenesis of lipid droplets.[UniProtKB/Swiss-Prot Function]