

Product datasheet for **SC119999**

MTTP (NM_000253) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTTP (NM_000253) Human Untagged Clone
Tag:	Tag Free
Symbol:	MTTP
Synonyms:	ABL; MTP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC119999 sequence for NM_000253 edited (data generated by NextGen Sequencing)

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ATGATTCTTCTTGCTGTGCTTTTTCTCTGCTTCATTTCTCATATTCAGCTTCTGTAA
GGTCACACAACCTGGTCTCTCATTAAATAATGACCGGCTGTACAAGCTCACGTACTCCACT
GAAGTTCTTCTTGATCGGGGCAAAGGAAACTGCAAGACAGCGTGGGCTACCGCATTTCC
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CAAATAACGATGAAGGATGTAAATGTTGAAAATGTGAATCAGCAGAGAGGAGAGAAGAGC
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GAGGCAGTGGCCATAGAAAAATCAAGAGAGGTCTGGCTAGCCTATTTACAGACACAGTTA
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GATTCAAAGTACACGGCCATTCCCATTTGTGGGGCAGGTCTTCCAGAGCCACTGTAAGGA
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GGCATTCTAAGGAGAAGTAACCTGAACATCTTTCAGTACATTGGGAAGGCTGGTCTTAC
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AGGGTGACTGTGGTAATAACCACTGACATCACAGTGGACTCCTCTTTGTGAAAGCTGGC
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CAGTACCCATTCTTAGTTTGCATGCAGATGGACAAGGATGAAGCTCCATTAGGCAATTT
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AGCGTATTAGCAGGATGTGAATCCCGTCCATCAAGAGAACTCAGAGATGTGCAAAGTG
GTGTTTGGCCCTCAGCCGATAGTACTTCCAGCGGATGGTTTTGA

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Clone variation with respect to NM_000253.2

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_000253 unedited ATTATGTATCCGACTTTACTATAGTGGCGGCCGCAATTCGGCACGAGGGCTGCCATTG AAAGAGTCCTTCTCAGTGACTCCTAGCTGGGCACTGGATGCAGTTGAGGATTGCTGGTCA ATATGATTCTTCTTGCTGTGCTTTTCTCTGCTTCATTTCTCATATTCAGCTTCTGTTA AAGGTCACACAACCTGGTCTCTCATTAAATAATGACCGGCTGTACAAGCTCACGTACTCCA CTGAAGTTCTTCTTGATCGGGGCAAAGGAAACTGCAAGACAGCGTGGGTACCGCATTT CCTCCAACGTGGATGTGGCCTTACTATGGAGGAATCCTGATGGTGATGATGACCAGTTGA TCCAAATAACGATGAAGGATGTAATGTTGAAAATGTGAATCAGCAGAGAGGAGAGAAGA GCATCTTCAAAGGAAAAAGCCCATCTAAAATAATGGGAAAGGAAAACTTGAAGCTCTGC AAAGACCTACGCTCCTTCATCTAATCCATGGAAAGGTCAAAGAGTTCTACTCATATCAAA ATGAGGCAGTGGCCATAGAAAATATCAAGAGAGGTCTGGCTAGCCTATTTAGACACAGT TAAGCTCTGGAACCAATGAGGTAGATATCTCTGAAATTGTAAAGTACCTACCAGG CTCATCAAGACAAAGTATCAAAATTAAGGCCTTGGATTATGCAAAATAGCGAGGTCTG GATTTACGACCCCAAATCAGGTCTTGGGTGTCAGTTCAAAGCTACATCTGTCAACACCT ATAAGATAGAAGACAGCTTTGTTATAGCTGTGCTTGTGAAGAACACACATTTTGACCT GATTCCTACAACCATTAAGGNGAAAAAGTATCCGAGCCGAAATAGAGCTGAGACACCCCA CCAGCCCCAGATTGTGTCTGGAAGCAGCTCGACCTATCAAGCAGTGATTAGACACCGG CCTTCCATGGGGGCGACCTTC
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_000253 unedited NTTTTTTACTCTGNNACCGCGNCCGCATNCNAGNGATCGGTTTTTTTTTTTTTTTTTTTT TTTTTCTGAATAGGGAACGTGTTTGGTTTTCCCGTCATGCTTAAGGAAGTCCTATCA AGAGCTTCATATACATTGATCAAAAATTGTTGAAACAAAATTGGGTTCTCCTTGGGGGT TTTGTTTTTATTTTTGTTTTTAAACAACTAGTTTCTCTTAAAGAATAACTATTCTGA CTGTACCAAAATGAGATTTGAGAGAGGTATAAGTAACTAAAAACGTTGTTGAAAGCGTCA CATGATGATTCAAAATGACGCTGTGGGTAGCATACTGCATATACCCAAATTTGATCAAAAC TGCAGTTTTTTGTAGCTTTTACAAAAATCTTAAATACAGGTAATATGTAAACGCTGTG CTCTCAAAGAGCAAGTACTTAGTCATGCCACATTTGTGTCCTTTTCGGGGAGACAAATTCA AGTAAAAATATCACAGGTCAAGTTTCAAAACCATCCGCTGGAAGTACTATCCGGCTGAGGGG CAAAACCACTTTGCACATCTCTGAGTTCTCTTGATGGAGCGGGAATTCACATCCTGCTA ATACGCTTTTCTTTTCTTTCTGAGAGACATAACCTCTGCCTGTGGACAGCCTTTTCGTACT TTTTCTCAAATTGCCTGAATGGAGCTTCATCCTTGTCCATCTGCATGCAAACTAAGAATG GGTACTGAGAAAACGCACTGTGGAGATAAACTCCAAGCCTGCTTCTGTTTCTGTACTGG TTTCCAGNCCAGCTTTCACAAAAGAGGAGTCCACTGTGATGTCAGTGGTTATTACCACAG TCACCCTATTTTCACTCGGGGTTTACTACGATACCAACCCAGCTAACTCCATTGCA CCCTGAAATATCATAGCTAGACCACCTGGACCTCT
Restriction Sites:	NotI-NotI
ACCN:	NM_000253
Insert Size:	3220 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_000253.1, NP_000244.1</u>
RefSeq Size:	3392 bp
RefSeq ORF:	2685 bp
Locus ID:	4547
UniProt ID:	<u>P55157</u>
Cytogenetics:	4q23
Domains:	LPD_N
Protein Families:	Druggable Genome
Gene Summary:	MTP encodes the large subunit of the heterodimeric microsomal triglyceride transfer protein. Protein disulfide isomerase (PDI) completes the heterodimeric microsomal triglyceride transfer protein, which has been shown to play a central role in lipoprotein assembly. Mutations in MTP can cause abetalipoproteinemia. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (1) represents the longer transcript but encodes the shorter isoform (1).