

Product datasheet for **SC118652**

MPV17 (NM_002437) Human Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | MPV17 (NM_002437) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | MPV17 |
| Synonyms: | CMT2EE; MTDPS6; SYM1 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene ORF within SC118652 sequence for NM_002437 edited (data generated by NextGen Sequencing) |

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ATGGCACTCTGGCGGGCATAACCAGCGGGCCCTGGCCGCTCACCCGTGAAAGTACAGGTC
CTGACAGCTGGGTCCCTGATGGGCCTGGGTGACATTATCTCACAGCAGCTGGTGGAGAGG
CGGGGTCTGCAGGAACACCAGAGAGGCCGACTCTGACCATGGTGTCCCTGGGCTGTGGC
TTTGTGGGCCCTGTGGTAGGAGGCTGGTACAAGGTTTTGGATCGGTTTCATCCCTGGCACC
ACCAAAGTGGATGCACTGAAGAAGATGTTGTTGGATCAGGGGGGCTTTGCCCGTGTTTT
CTAGGCTGCTTTCTCCCACTGGTAGGGCACTTAATGGACTGTCAGCCCAGGACAAGTGG
GCCAACTACAGCGGGATTATCCTGATGCCCTTATCACCAACTACTATCTATGGCCTGCT
GTGCAGTTAGCCAACCTTACCTGGTCCCCTTACATTACAGGTTGGCCGTTGTCCAATGT
GTTGCTGTATCTGGAACCTACCTGCTCCTGGAAGGCACATCGGCTCTAA
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Clone variation with respect to NM_002437.4



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|-------------------------------------|---|
| 5' Read Nucleotide Sequence: | <p>>OriGene 5' read for NM_002437 unedited</p> <pre>TAGCCATATTTGTCAATACGCACTACTATTAGGGCGGCCGCGTATTCGCACGAGGGGAG GCTCGGCGCTCAGGAAGCATGGCACTCTGGCGGGCATACCAGCGGGCCCTGGCCGCTCAC CCGTGGAAGTACAGGTCCTGACAGCTGGGTCCCTGATGGGCCTGGGTGACATTATCTCA CAGCAGCTGGTGGAGAGGCGGGGTCTGCAGGAACACCAGAGAGCCGGACTCTGACCATG GTGTCCCTGGGCTGTGGCTTTGTGGCCCTGTGGTAGGAGGCTGGTACAAGGTTTTGGAT CGGTTTCCCTGGCACCACCAAAGTGGATGCACTGAAGAAGATGTTGTTGGATCAGGGG GGCTTTGCCCGTGTCTTAGGCTGCTTCTCCCACTGGTAGGGGCACTTAATGGACTG TCAGCCCAGGACAACCTGGGCCAACTACAGCGGGATTATCCTGATGCCCTTATACCAAC TACTATCTATGGCCTGCTGTGCAGTTAGCCAACCTTCTACCTGGTCCCCTTATTACAGG TTGGCCGTTGTCCAATGTGTTGCTGTTATCTGAACTCTACCTGTCTGGAAGGCACAT CGGCTCTAAGCCTGCCTCACTCCATCGTTTCCACCTTGCAGTGATGCAGCTTGACCCCTG AACGGTCAGACAACCTCCTCAAAGTGGCATAACCAGCTTCCACGGGGTTGGTTGCCGT CAGAGCTTAAGAAGACTAGCACCTGCAATGCCCTCTTCACTCTAAAATGTACTGAC TGCTTTACGAGCCCTTTGATATAGTCTTATTCCCACCACATACTCAGGCACTCCATAAT ATCTGTTGAACCTTCATGACCTTATCAACTTTACACCATATCCCAACAATGCCACTCATC CCCCTCTTCATAGCACATTTGGTACTCTCACCTGCCTAGGCTCTTGTAGCTCCGCTT</pre> |
| 3' Read Nucleotide Sequence: | <p>>OriGene 3' read for NM_002437 unedited</p> <pre>TTGGCCGCGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTCCGGATTACATATT AATAACATATTTACTGAGGCACCATATAAAGGGTCCGGGAGTCTCTAAAGAGCTGGAGC TACAAGAAGCCTAGGCAGGTTAGAGTAACAAATGTGTCTATGAAGAGTGGGATGAGTG GCATTTGCTGGGATATGGGTGTAAGTTGATAAGGTCATGAAGGTTCAACAGATATTTAT GGAGTGCCTAGTATGTGGTGGGAATAAGACTATTATCAAGGGCTCTAAAGCAGTCAGTGT ACATTTTAGAGTGAAGAGGGGCATTGCAGGGTGCTAGTCCTTTAAGCTCTGACCGGCAA CCCAACCCCGTGGAACTGGTATGCCCACTTTGAGGAGGTTGTCTGACCGTTCAGGGTC AAGCTGCATCACTGCAAGGTGGAACGATGGAGTGAGGCAGGCTTAGAGCCGATGTGCCT TCCAGGACAGGTAGGAGTTCCAGATAACAGCAACACATTTGGACAACGGCCAACCTGTAAT GAAGGGGACCAGGTAGAAGTTGGCTAACTGCACAGCAGGCCATAGATAGTAGTTGGTGA TAAGGGCATCAGGATAATCCCGCTGTAGTTTGGCCAGTTGTCTGGGCTGACAGTCCAT TAAGTCCCTTACCAGTGGGAGAAAGCAGCCTAGAAAACACGGNGCAAAGCCCCCTGAT CCACAACATCTTCTTTCAGTGCATCCACTTTGGTGGTGCCAGGGATGAACCGATCCCAAC CTTGTAACAGCCTNCTACACAGGGCCCACAAAGCCCAGGCCAGGCCACCATGGTCAGAGT CCGGCCTCTGTGTNCTGCAGACCCGCTCTTACAGCTGCTGTGAGAAATGTCCCCC CAGCCATCAGGNC</pre> |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_002437 |
| Insert Size: | 1120 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: [NM_002437.3](#), [NP_002428.1](#)

RefSeq Size: 1042 bp

RefSeq ORF: 531 bp

Locus ID: 4358

UniProt ID: [P39210](#)

Cytogenetics: 2p23.3

Domains: Mpv17_PMP22

Protein Families: Transmembrane

Gene Summary: This gene encodes a mitochondrial inner membrane protein that is implicated in the metabolism of reactive oxygen species. Mutations in this gene have been associated with the hepatocerebral form of mitochondrial DNA depletion syndrome (MDDS). [provided by RefSeq, Jul 2008]