

## Product datasheet for **MC225917**

### **Mpv17l (NM\_001289561) Mouse Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mpv17l (NM_001289561) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mpv17l
Synonyms:	M-LP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC225917 representing NM_001289561 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGC**

ATGGCGAGCTGGTGGCGCGCTTTCCACAGGCAGCACGGCGCTATCCGTGGCCCACTAACGTGCTGCTCT  
ACGCCGGGCTCTTCTCGCGGGTGATGCCCTGCAGCAGCGACTGCGGGGAGGCCAGCCGACTGGCGCCA  
GACGCGTCGCGTGCCACTCTGGCCGTGACCTTCCACGGAACTCAACTACGTGTGGCTGCGCCTACTG  
GAGCGCGCCCTGCCAGGCCGCGCGCCGCGCACGGTCCTGGCCAAGGTGCTATGCGATCAGACTGTGCGAG  
GGCCGATAGCCCTCTCTGCCTTCTACGTCGGCATGAGCGTTCTCCAGGGGAAGGATGACATATTTTGA  
CCTGAAGCAGAAATTCTGGAATACGTATAAGCATTCTAACCAGGCTTTCCTTCATTCAGAGTGGTCTCA  
TGTA**CTGGCCCTTGTGCAGCTGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-RsrII
ACCN:	NM_001289561
Insert Size:	444 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).



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<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u>NM_001289561.1</u> , <u>NP_001276490.1</u>
<b>RefSeq Size:</b>	3357 bp
<b>RefSeq ORF:</b>	444 bp
<b>Locus ID:</b>	93734
<b>Cytogenetics:</b>	16 A1
<b>Gene Summary:</b>	<p>Isoform 1 and isoform 3 participate in reactive oxygen species metabolism by up- or down-regulation of the genes of antioxidant enzymes.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate splice in the 3' coding region which results in a frameshift compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>