

## Product datasheet for **MC228344**

### **Mpl (NM\_001285496) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mpl (NM_001285496) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mpl
Synonyms:	c-mpl; CD110; hlb219; TPO-R
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228344 representing NM\_001285496  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCCTCTGGGCCCTCTTCATGGTCACCTCCTGCCTCCTCTGGCCCTTCCAAACCAGGCACAAGTCA  
 CCAGCCAAGATGTCTTCTTGCTGGCCTTGGGCACAGAGCCCTGAACTGCTTCTCCCAAACATTTGAGGA  
 CCTCACCTGCTTCTGGGATGAGGAAGAGGCAGCACCCAGTGGGACATACCAGCTGCTGTATGCCTACCGA  
 GGAGAGAAGCCCCGTGCATGCCCCCTGTATTCCAGAGTGTGCCACCTTTGGAACCCGGTATGTGTGCC  
 AGTTTCCAGCCCAGGATGAAGTGCCTCTTCTTCCGCTGCACCTCTGGGTGAAGAATGTGTCCCTCAA  
 CCAGACTTTGATCCAGCGGGTGTGTTTGTGGATAGTGTGAAACCTGCTGCCCACTTTGTGGATGCCG  
 AACCCAGTCCCTGTTCTTGACCAGCCTCCGTGTGTTTCATCCGACAGCATCCCAACCCGATGGACCAGTGA  
 GGACCTCCCAGCTGGAGAAGCTCCATTTCTGACAGTGAAGGGTGAAGCTGTCTCGTCTCAGGCCCTCA  
 GGCTGGCAAATCCTACTGGCTCCAGCTACGCAGCCAACCCGACGGGGTCTCCCTTCGTGGCTCCTGGGGA  
 CCCTGGTCTCCCTGTGACTGTGGATCTTCCAGGAGATGCAGTGACAATTTGGACTTCAGTGCTTTACCT  
 TGGATCTGAAGATGGTACCTGCCAGTGGCAGCAACAAGACCCGACTAGCTCCCAAGGCTTCTTCCGCCA  
 CAGCAGGACGAGGTGCTGCCCCACAGACAGGGACCCACCTGGGAGAAATGTGAAGAGGAGGAACCGCGT  
 CCAGGATCACAGCCCCTCTCGTCTCCCGCTGCCACTTCAAGTACGAAATGACAGTGTTATTACATCC  
 TTGTAGAGGTGACCACAGCGCAAGGTGCCGTTACAGCTACCTGGGCTCCCTTTTTGGATCCACCAGGC  
 TGTGCTCCTTCCACCCCAGCCTGCACTGGAGGGAGGTCTCAAGTGAAGGCTGGAGTTGGAGTGGCAG  
 CACCAGTCACTTGGGCAGCTCAAGAGACTGCTACCAGCTCCGGTACACGGGAGAAGGCCGTGAGGACT  
 GGAAGGTGCTGGAGCCATCTCTCGGTGCCCGGGAGGGACCTAGAGCTGCGCCCCGAGCTCGCTACAG  
 CTTGCAGCTCGCTGCCAGGCTCAACGGCCCACTACCAAGTCCCTGGAGCGCCTGGTCTCCCCCAGCT  
 AGGGTGTCCACGGGCTCCGAGACTGCTTGGATCACCTTGGTACTGCTCTGCTCTGGTGTGAGCCTCA  
 GTGCCCTTCTGGGCTACTGCTGCTAAAGTGGCAATTTCTGCGCACTACAGGAGACTGAGGCATGCTTT  
 GTGGCCCTCGCTTCCAGACCTACACCGGTCTAGGCCAGTACCTCAGAGACTGCAGCCCTAAGTCTCT  
 TCTAAGGCCACGGTTACCGATAGCTGTGAAGAAGTGAACCCAGCCTCCTGGAAATCCTCCCTAAGTCT  
 CAGAGAGCACTCCTTTACCTCTGTGTCCCTCCCAACCTCAGATGGACTACAGAGGACTGCAACCTTGCT  
 GCGGACCATGCCCTGTCTGTGTCCACCATGGCTGAGACGGGGTCTGCTGCACCACACATTGCC  
 AACCACTCTACCTACCTAAGCTATTGGCAGCAGCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001285496
- Insert Size:** 1722 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_001285496.1](#), [NP\\_001272425.1](#)

**RefSeq Size:** 2778 bp

**RefSeq ORF:** 1722 bp

**Locus ID:** 17480

**UniProt ID:** [Q08351](#)

**Cytogenetics:** 4 54.61 cM

**Gene Summary:** Receptor for thrombopoietin that acts as a primary regulator of megakaryopoiesis and platelet production. May represent a regulatory molecule specific for TPO-R-dependent immune responses.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (3) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1, resulting in an isoform (3, also known as c-mpl-II) that is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.