

Product datasheet for **MC219790**

Mpl (NM_010823) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mpl (NM_010823) 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: >MC219790 representing NM_010823
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCCTCTTGGCCCTCTTCATGGTCACCTCCTGCCTCCTTGGCCCTTCCAAACCAGGCACAAGTCA
 CCAGCCAAGATGTCTTCTTGGCTGGCCTTGGGCACAGAGCCCTGAACTGCTTCTCCCAAACATTTGAGGA
 CCTCACCTGCTTCTGGGATGAGGAAGAGGCAGCACCCAGTGGGACATACCAGCTGCTGTATGCTACCGA
 GGAGAGAAGCCCCGTGCATGCCCCCTGTATTCCAGAGTGTGCCACCTTTGGAACCCGGTATGTGTGCC
 AGTTTCCAGCCCAGGATGAAGTGCCTCTTCTTCCGCTGCACCTCTGGGTGAAGAATGTGTCCCTCAA
 CCAGACTTTGATCCAGCGGGTGTGTTGTGGATAGTGTGGCCCTGCCAGCTCCCCCAGGGTCAACAAG
 GCCAGGGTGGGAGCCAACCAGGGGAATTCAGATCCACTGGGAGGCCCTGCTCCTGAAATCAGTGACT
 TCCTGAGGCATGAACTCCGCTATGGCCCCACGGACTCCAGCAACGCCACTGCCCCCTCCGTCATTACGT
 GCTCTCCACAGAAACCTGCTGCCCACTTTGTGGATGCCGAACCCAGTCCCTGTTCTTGACCAGCCTCCG
 TGTGTTTACCGACAGCATCCCAACCGCATGGACCAGCTCCATTTCTGACAGTGAAGGGTGAAGCTGTC
 TCGTCTCAGGCCCTCCAGGCTGGCAAATCCTACTGGCTCCAGCTACGCAGCCAACCCGACGGGGTCTCCCT
 TCGTGGCTCCTGGGGACCTGGTCTTCCCTGTGACTGTGGATCTTCCAGGAGATGCAGTGACAATTGGA
 CTTTCAAGTCTTACCTTGGATCTGAAGATGGTCACTGCCAGTGGCAGCAACAAGACCGCACTAGCTCCC
 AAGGCTTCTTCCGCCACAGCAGGACGAGGTGTGCCCCACAGACAGGGACCCACCTGGGAGAAATGTGA
 AGAGGAGGAACCGCGTCCAGGATCACAGCCCGCTCTGCTCTCCGCTGCCACTTCAAGTACGAAATGAC
 AGTGTATTACATCCTTGTAGAGGTGACCACAGCGCAAGGTGCCGTTTCCAGCTACCTGGGCTCCCTT
 TTTGGATCCACCAGGCTGTGCTCCTTCCACCCGAGCCTGCACCTGGAGGGAGGTCTCAAGTGAAGGCT
 GGAGTTGGAGTGGCAGCACCCAGTATCTTGGGCAGCTCAAGAGACCTGCTACCAGCTCCGGTACACGGGA
 GAAGGCCGTGAGGACTGGAAGGTGCTGGAGCCATCTCTCGGTGCCCGGGGAGGGACCTAGAGCTGCGCC
 CCCGAGCTCGCTACAGCTTGCAGCTGCGTGCCAGGCTCAACGGCCCCACCTACCAAGGTCCCTGGAGCGC
 CTGGTCTCCCCAGCTAGGGTGTCCACGGGCTCCGAGACTGCTTGGATCACCTTGGTACTGCTCTGCTC
 CTGGTGTGAGCCTCAGTGCCCTTCTGGCCCTACTGCTGCTAAAGTGGCAATTTCTGCGCACTACAGGA
 GACTGAGGCATGCTTTGTGGCCCTCGTTCAGACCTACACCGGGTCTAGGCCAGTACCTCAGAGACAC
 TGCAGCCCTAAGTCTTCTAAGGCCACGGTACCAGATAGCTGTGAAGAAGTGAACCCAGCCTCCTGGAA
 ATCCTCCCTAAGTCTCAGAGAGCACTCCTTACCTCTGTGCTCCCTCCCAACCTCAGATGGACTACAGAG
 GACTGCAACCTTGCCTGGGACCATGCCCTGTCTGTGTGCCACCCATGGCTGAGACGGGGTCTGCTGCT
 CACCACACACATTGCCAACCACTCTACCTACCTAAGCTATTGGCAGCAGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_010823

Insert Size: 1878 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_010823.3](#), [NP_034953.2](#)

RefSeq Size: 2934 bp

RefSeq ORF: 1878 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 (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1, resulting in an isoform (2) that is shorter than isoform 1.