

Product datasheet for **MC219904**

Mpl (NM_001122949) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mpl (NM_001122949) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mpl
Synonyms:	c-mpl; CD110; hlb219; TPO-R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219904 representing NM_001122949
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCCTCTTGGCCCTCTTCATGGTCACCTCCTGCCTCCTTGGCCCTTCCAAACCAGGCACAAGTCA
 CCAGCCAAGATGTCTTCTTGGCTGGCCTTGGGCACAGAGCCCTGAACTGCTTCTCCCAAACATTTGAGGA
 CCTCACCTGCTTCTGGGATGAGGAAGAGGCAGCACCCAGTGGGACATACCAGCTGCTGTATGCTACCGA
 GGAGAGAAGCCCCGTGCATGCCCTGTATTCCAGAGTGTGCCACCTTTGGAACCCGGTATGTGTGCC
 AGTTTCCAGCCCAGGATGAAGTGCCTCTTCTTCCGCTGCACCTCTGGGTGAAGAATGTGTCCCTCAA
 CCAGACTTTGATCCAGCGGGTGTGTTTGGATAGTGTGGCCTGCCAGCTCCCCCAGGGTCACTAAG
 GCCAGGGTGGGAGCCAACCAGGGGAATTCAGATCCACTGGGAGGCCCTGCTCCTGAAATCAGTGACT
 TCCTGAGGCATGAACTCCGCTATGGCCCCACGGACTCCAGCAACGCCACTGCCCTCCGTCATTACGCT
 GCTCTCCACAGAAACCTGCTGCCCACTTTGTGGATGCCGAACCCAGTCCCTGTTCTTGACCAGCCTCCG
 TGTGTTATCCGACAGCATCCCAACCGCATGGACCAAGTGGAGACCTCCCAAGTGGAGAAGCTCCATTTT
 TGACAGTGAAGGGTGAAGCTGTCTCGTCTCAGGCCTCCAGGCTGGCAAATCCTACTGGCTCCAGCTACG
 CAGCCAACCCGACGGGTCTCCCTTCGTGGCTCCTGGGACCCTGGTCTTCCCTGTGACTGTGGATCTT
 CCAGGAGATGCAGTGACAATTGGACTTCAGTGCTTTACCTTGGATCTGAAGATGGTACCTGCCAGTGGC
 AGCAACAAGACCCGACTAGTCCCAAGGCTTCTCCGCCACAGCAGGACGAGGTGCTGCCCCACAGACAG
 GGACCCACCTGGGAGAAATGTGAAGAGGAGGAACCGCGTCCAGGATCACAGCCCGCTCTCGTCTCCCGC
 TGCCACTTCAAGTCACGAAATGACAGTGTATTACATCCTTGTAGAGGTGACCACAGCGCAAGGTGCCG
 TTCACAGCTACCTGGGCTCCCTTTTTGGATCCACCAGGCTGTGCTCCTCCCAACCCGAGCCTGCAGT
 GAGGGAGGTCTCAAGTGAAGGCTGGAGTTGGAGTGGCAGCACCAAGTCACTTGGGACAGCTCAAGAGACC
 TGCTACCAGTCCGGTACACGGGAGAAGCCGTGAGGACTGGAAGGTGCTGGAGCCATCTCTCGGTGCC
 GGGGAGGGACCCTAGAGCTGCGCCCCGAGCTCGCTACAGCTTGCAGCTGCGTGCAGGCTCAACGGCCC
 CACCTACCAAGTCCCTGGAGCGCTGGTCTCCCCAGCTAGGGTGTCCACGGGCTCCGAGACTGCTTGG
 ATCACCTTGGTACTGCTCTGCTCCTGGTGTGAGCCTCAGTGCCTTCTGGGCTACTGCTGCTAAAGT
 GGCAATTTCTGCGCACTACAGGAGACTGAGGCATGCTTTGTGGCCCTCGCTTCCAGACCTACACCGGGT
 CCTAGGCCAGTACCTCAGAGACTGCAGCCCTAAGTCTTCTAAGGCCACGGTTACCGATAGCTGTGAA
 GAAGTGAACCCAGCCTCCTGAAATCCTCCCTAAGTCTCAGAGACTCCTTTACCTCTGTGTCCCT
 CCCAACCTCAGATGGACTACAGAGGACTGCAACCTTGCCTGCGGACCATGCCCTGTCTGTGTGCCACC
 CATGGCTGAGACGGGTCTGCTGCACCACACATTGCCAACCACTCCTACCTACCCTAAGCTATTGG
 CAGCAGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2689_f02.zip

Restriction Sites: SgfI-MluI

ACCN: NM_001122949

Insert Size: 1902 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_001122949.2](#), [NP_001116421.1](#)

RefSeq Size: 2958 bp

RefSeq ORF: 1902 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 (1) represents the longest transcript and encodes the longest isoform (1, also known as c-mpl-l).