

Product datasheet for **MR230049**

Mpl (NM_001285497) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mpl (NM_001285497) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mpl
Synonyms:	c-mpl; CD110; hlb219; TPO-R
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>MR230049 representing NM_001285497
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCCTCTTGGCCCTCTTCATGGTCACCTCCTGCCTCCTCTTGGCCCTTCAAACAGGCACAAGTCA
 CCAGCCAAGATGTCTTCTTGCTGGCCTTGGGCACAGAGCCCTGAACTGCTTCTCCCAAACATTTGAGGA
 CCTCACCTGCTTCTGGGATGAGGAAGAGGCAGCACCCAGTGGGACATACCAGCTGCTGTATGCCTACCGA
 GGAGAGAAGCCCCGTGCATGCCCCCTGTATTCCAGAGTGTGCCACCTTTGAAACCCGGTATGTGTGCC
 AGTTTCCAGCCCAGGATGAAGTGCCTCTTCTTCCGCTGCACCTCTGGGTGAAGAATGTGTCCCTCAA
 CCAGACTTTGATCCAGCGGGTGTGTTTGTGGATAGTGTGGCCCTGCCAGCTCCCCCAGGGTCACTAAG
 GCCAGGGTGGGAGCCAACCAGGGGAATTCAGATCCACTGGGAGGCCCTGCTCCTGAAATCAGTGACT
 TCCTGAGGCATGAACTCCGCTATGGCCCCACGGACTCCAGCAACGCCACTGCCCCCTCCGTCATTACGT
 GCTCTCCACAGAAACCTGCTGCCCACTTTGTGGATGCCGAACCCAGTCCCTGTTCTTGACCAGCCTCCG
 TGTGTTATCCGACAGCATCCCAACCGCATGGACCAGTGAAGACCTCCCAAGTGGAGAAGCTCCATTTTC
 TGACAGTGAAGGGTGAAGCTGTCTCGTCTCAGGCCTCCAGGCTGGCAAATCCTACTGGCTCCAGCTACG
 CAGCCAACCCGACGGGTCTCCCTTCGTGGCTCCTGGGACCCTGGTCTTCCCTGTGACTGTGGATCTT
 CCAGGAGATGCAGTGACAATTGGACTTCAGTGCTTTACCTTGGATCTGAAGATGGTACCTGCCAGTGGC
 AGCAACAAGACCCGACTAGTCCCAAGGCTTCTCCGCCACAGCAGGACGAGGTGCTGCCCCACAGACAG
 GGACCCACCTGGGAGAAATGTGAAGAGGAGGAACCGCGTCCAGGATCACAGCCCGCTCTCGTCTCCCGC
 TGCCACTTCAAGTACGAAATGACAGTGTATTACATCCTTGTAGAGGTGACCACAGCGCAAGGTGCCG
 TTCACAGCTACCTGGGCTCCCTTTTTGGATCCACCAGGCTGTGCTCCTCCACCCCGAGCTGCAGTGC
 GAGGGAGGTCTCAAGTGAAGGCTGGAGTTGGAGTGGCAGCACCAGTCACTTGGGCAGCTCAAGAGACC
 TGCTACCAGCTCCGGTACACGGGAGAAGCCGTGAGGACTGGAAGGAGACTGAGGCATGCTTTGTGGCC
 TCGCTCCAGACTACACGGGTCTAGGCCAGTACCTCAGAGACTGCAGCCCTAAGTCTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230049 representing NM_001285497
 Red=Cloning site Green=Tags(s)

MPSWALFMVTSCLLLALPNQAQVTSQDVFLALGTEPLNCFSTQTFEDLTCFWEDEEAAPSGTYQLLYAYR
 GEKPRACPLYSQSVPTFGTRYVCQFPAQDEVRLFPLHLWVKNVSLNQTLIQRVLFVDSVGLPAPPRVIK
 ARGGSQPGELQIHWEAPAPEISDFLRHELRYGPTDSSNATAPSVIQLLSTETCCPTLWMPNPVPLDQPP
 CVHPTASQPHGPVRTSPAGEAPFLTVMGGGSLVSLQAGKSYWLQLRSQPDGVSLSRGSWGPWSFPVTVDL
 PGDAVTIGLQCFTLDLKMTVCQWQQDRTSSQGFRRHSRTRCCPTDRDPTWEKCEEEPRPGSQPALVSR
 CHFKSRNDSVIHILVEVTTAQGAVHSYLGSPFWIHQAVLLPTPSLHWREVSSGRLELEWQHQSWSAAQET
 CYQLRYTGEGREDWKETEACFVALASRTPGPRPVPQRHCSPKSF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

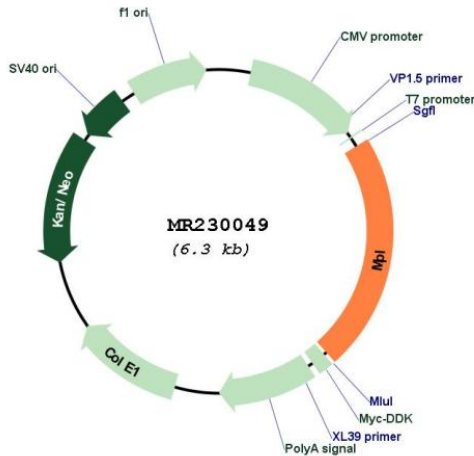
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001285497

ORF Size: 1395 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<ol style="list-style-type: none">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:	<u>NM_001285497.1</u> , <u>NP_001272426.1</u>
RefSeq Size:	2701 bp
RefSeq ORF:	1398 bp
Locus ID:	17480
UniProt ID:	<u>Q08351</u>
Cytogenetics:	4 54.61 cM
MW:	52.4 kDa
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]