

Product datasheet for **MR230555**

Mpl (NM_001285496) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mpl (NM_001285496) 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:

>MR230555 representing NM_001285496
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCCTCTTGGGCCCTTTCATGGTCACCTCCTGCCTCCTTGGCCCTTCCAAACCAGGCACAAGTCA
 CCAGCCAAGATGTCTTCTTGGCTGGCCTTGGGCACAGAGCCCTGAACTGCTTCTCCCAAACATTTGAGGA
 CCTCACCTGCTTCTGGGATGAGGAAGAGGCAGCACCCAGTGGGACATACCAGCTGCTGTATGCTACCGA
 GGAGAGAAGCCCCGTGCATGCCCCCTGTATTCCAGAGTGTGCCACCTTTGGAACCCGGTATGTGTGCC
 AGTTTCCAGCCCAGGATGAAGTGCCTCTTCTTCCGCTGCACCTCTGGGTGAAGAATGTGTCCCTCAA
 CCAGACTTTGATCCAGCGGGTGTGTTTGTGGATAGTGTGAAACCTGCTGCCCACTTTGTGGATGCCG
 AACCCAGTCCCTGTTCTTGACCAGCTCCGTGTGTTTCATCCGACAGCATCCCAACCCGATGGACCAGTGA
 GGACCTCCCAGCTGGAGAAGCTCCATTTCTGACAGTGAAGGGTGAAGCTGTCTCGTCTCAGGCCCTCA
 GGCTGGCAAATCCTACTGGCTCCAGCTACGCAGCAACCCGACGGGGTCTCCCTTCGTGGCTCCTGGGGA
 CCCTGGTCCCTCCCTGTGACTGTGGATCTTCCAGGAGATGCAGTGACAATTTGGACTTCAGTGCTTTACCT
 TGGATCTGAAGATGGTACCTGCCAGTGGCAGCAACAAGACCCGACTAGCTCCCAAGGCTTCTTCCGCCA
 CAGCAGGACGAGGTGCTGCCCCACAGACAGGGACCCACCTGGGAGAAATGTGAAGAGGAGGAACCCGCT
 CCAGGATCACAGCCCCTCTCGTCTCCCGCTGCCACTTCAAGTACGAAATGACAGTGTTATTACATCC
 TTGTAGAGGTGACCACAGCGCAAGGTGCCGTTACAGCTACCTGGGCTCCCTTTTTGGATCCACCAGGC
 TGTGCTCCTTCCACCCCGAGCTGCACTGGAGGGAGGTCTCAAGTGAAGGCTGGAGTTGGAGTGGCAG
 CACCAGTCACTTGGGCAGCTCAAGAGACTGCTACCAGCTCCGGTACACGGGAGAAGCCGCTGAGGACT
 GGAAGGTGCTGGAGCCATCTCTCGGTGCCGGGGAGGGACCCTAGAGCTGCGCCCCGAGCTCGCTACAG
 CTTGCAGCTCGCTGCCAGGCTCAACGGCCCCACCTACCAAGTCCCTGGAGCGCCTGGTCTCCCCAGCT
 AGGGTGTCCACGGGCTCCGAGACTGCTTGGATCACCTTGGTACTGCTCTGCTCCTGGTGTGAGCCTCA
 GTGCCCTTCTGGGCTACTGCTGCTAAAGTGGCAATTTCTGCGCACTACAGGAGACTGAGGCATGCTTT
 GTGGCCCTCGCTTCCAGACCTACACGGGTCTAGGCCAGTACCTCAGAGACTGCAGCCCTAAGTCTCT
 TCTAAGGCCACGGTTACCGATAGCTGTGAAGAAGTGAACCCAGCCTCCTGGAAATCCTCCCTAAGTCT
 CAGAGAGCACTCCTTTACCTCTGTGTCCCTCCCAACCTCAGATGGACTACAGAGGACTGCAACCTTGCT
 GCGGACCATGCCCTGTCTGTGTGTCACCCATGGCTGAGACGGGGTCTGCTGCACCACACACATTGCC
 AACCACTCTACCTACCCTAAGCTATTGGCAGCAGCC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>MR230555 representing NM_001285496
 Red=Cloning site Green=Tags(s)

MPSWALFMVTSCLLLALPNQAQVTSQDVFLALGTEPLNCFSTQTFEDLTCFWDDEEEAAPSGTYQLLYAYR
 GEKPRACPLYSQSVPTFGTRYVCQFPAQDEVRLFPLHLWYKNVSLNQLTIQRVLFVDSVETCCPTLWMP
 NPVPVLDQPPCVHPTASQPHGPVRTSPAGEAPFLTVKGGSLVSLQAGKSYWLQLRSQPDGVSRLRGSWG
 PWSFPVTVLPGDAVTIGLQCFITLDMVTCQWQQDRTSSQGFRRHSRTRCCPTDRDPTWEKCEEEPR
 PGSQPALVSRCHFKNRNSVHILVEVTTAQGAVHSYLGSPFWIHQAVLLPTPSLHWREVSSGRLELEWQ
 HQSSWAAQETCYQLRYTGEGRDVKVLEPSLGARGGTLELRPRARYSLQLRARLNGPTYQGPWSAWSPPA
 RVSTGSETAWITLVALLVLSLALLGLLLLKWQFPAHYRRLRHALWPSLPDLHRVLRGQYLRDAAALSP
 SKATVTDSCSEVEPSLLEILPKSSESTPLPLCPSQPQMDYRGLQPCLRTMPLSVCPPMAETGSCCTTHIA
 NHSYLPLSYWQQP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

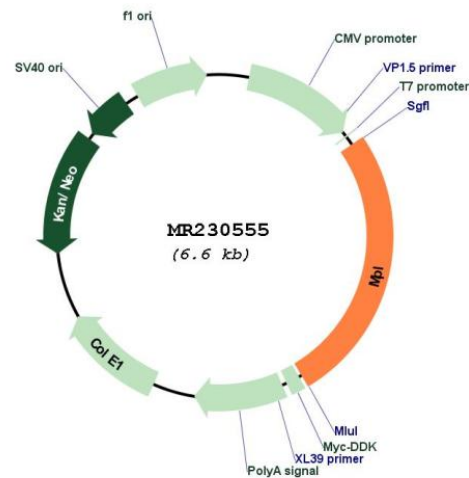
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001285496

ORF Size: 1719 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:	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
MW:	64.6 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]