

Product datasheet for **MR212144**

Mpl (NM_010823) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mpl (NM_010823) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>MR212144 representing NM_010823
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCCTCTTGGCCCTCTTCATGGTCACCTCCTGCCTCCTCTTGGCCCTTCCAAACCAGGCACAAGTCA
 CCAGCCAAGATGTCTTCTTGGCTGGCCTTGGGCACAGAGCCCTGAACTGCTTCTCCCAAACATTTGAGGA
 CCTCACCTGCTTCTGGGATGAGGAAGAGGCAGCACCCAGTGGGACATACCAGCTGCTGTATGCTACCGA
 GGAGAGAAGCCCCGTGCATGCCCCCTGTATTCCAGAGTGTGCCACCTTTGGAACCCGGTATGTGTGCC
 AGTTTCCAGCCCAGGATGAAGTGCCTCTTCTTCCGCTGCACCTCTGGGTGAAGAATGTGTCCCTCAA
 CCAGACTTTGATCCAGCGGGTGTGTTGTGGATAGTGTGGCCCTGCCAGCTCCCCCAGGGTCAACAAG
 GCCAGGGTGGGAGCCAACCAGGGGAATTCAGATCCACTGGGAGGCCCTGCTCCTGAAATCAGTGACT
 TCCTGAGGCATGAACTCCGCTATGGCCCCACGGACTCCAGCAACGCCACTGCCCCCTCCGTCATTACGT
 GCTCTCCACAGAAACCTGCTGCCCACTTTGTGGATGCCGAACCCAGTCCCTGTTCTTGACCAGCCTCCG
 TGTGTTTATCCGACAGCATCCCAACCGCATGGACCAGCTCCATTTCTGACAGTGAAGGGTGAAGCTGTC
 TCGTCTCAGGCCCTCCAGGCTGGCAAATCCTACTGGCTCCAGCTACGCAGCCAACCCGACGGGGTCTCCCT
 TCGTGGCTCCTGGGACCTGGTCTTCCCTGTGACTGTGGATCTTCCAGGAGATGCAGTGACAATTGGA
 CTTCAAGTCTTACCTTGGATCTGAAGATGGTCACTGCCAGTGGCAGCAACAAGACCGCACTAGCTCCC
 AAGGCTTCTTCCGCCACAGCAGGACGAGGTGCTGCCCCACAGACAGGGACCCACCTGGGAGAAATGTGA
 AGAGGAGGAACCGCGTCCAGGATCACAGCCCGCTCTGCTCTCCGCTGCCACTTCAAGTACAGAAATGAC
 AGTGTATTACATCCTTGTAGAGGTGACCACAGCGCAAGGTGCCGTTTACAGCTACCTGGGCTCCCTT
 TTTGGATCCACCAGGCTGTGCTCCTTCCACCCGAGCCTGCACCTGGAGGGAGGTCTCAAGTGAAGGCT
 GGAGTTGGAGTGGCAGCACCGATCATCTTGGGCAGCTCAAGAGACCTGCTACCAGCTCCGGTACACGGGA
 GAAGGCCGTGAGGACTGGAAGGTGCTGGAGCCATCTCTCGGTGCCCGGGGAGGGACCTAGAGCTGCGCC
 CCCGAGCTCGCTACAGCTTGCAGCTGCGTGCAGGCTCAACGGCCCCACCTACCAAGTCCCTGGAGCGC
 CTGGTCTCCCCAGCTAGGGTGTCCACGGGCTCCGAGACTGCTTGGATCACCTTGGTACTGCTCTGCTC
 CTGGTGTGAGCCTCAGTGCCCTTCTGGGCTACTGCTGCTAAAGTGGCAATTTCTGCGCACTACAGGA
 GACTGAGGCATGCTTTGTGGCCCTCGTTCAGACCTACACCGGGTCTAGGCCAGTACCTCAGAGACAC
 TGCAGCCCTAAGTCTTCTAAGGCCACGGTACCAGATAGCTGTGAAGAAGTGAACCCAGCCTCCTGGAA
 ATCCTCCCTAAGTCTCAGAGAGCACTCCTTACCTCTGTGCTCCCTCCCAACCTCAGATGGACTACAGAG
 GACTGCAACCTTGCCTGGGACCATGCCCTGTCTGTGTGCCATGGCTGAGACGGGGTCTGCTGCT
 CACCACACACATTGCCAACCACTCCTACCTACCACTAAGCTATTGGCAGCAGCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR212144 representing NM_010823
 Red=Cloning site Green=Tags(s)

MPSWALFMVTSCLLLALPNQAQVTSQDVFLLALGTEPLNCFSTQFEDLTCFWDDEEAAPSGTYQLLYAYR
 GEKPRACPLYSQSVPTFGTRYVCQFPAQDEVRLFPLHLWKNVSLNQLTIQRVLFVDSVGLPAPPRVIK
 ARGGSQPGELQIHWEAPAPEISDFLRHELRYGPTDSSNATAPSVIQLLSTETCCPTLWMPNPVPLDQPP
 CVHPTASQPHGAPFLTVKGGSCLVSLQAGKSYWLQLRSQPDGVSRLRGSWGPWSPVTVDLPGDAVTIG
 LQCFTLDLKMVTCQWQQQDRTSSQGFRRHSRTRCCPTDRDPTWEKCEEEPRPGSQPALVSRCHFCSRND
 SVIHILVEVTTAQGAVHSYLGSPFWIHQAVLLPTPSLHWREVSSGRLELEWQHQSWSAAQETCYQLRYTG
 EGREDWKVLEPSLGARGGTLELRPRARYSLQLRRLNGPTYQGPWSAWSPPARVSTGSETAWITLVTALL
 LVL SLSALLGLLLKQWQFPAHYRRLRHALWPSLPDLHRVLGQYLRDAAALSPSKATVTDSCEEVEPSLLE
 ILPKSSESTPLPLCPSQPQMDYRGLQPCLRTMPLSVCPMAETGSCCTTHIANHSYLPYSWQQP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9026_e07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010823

ORF Size: 1875 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:

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.

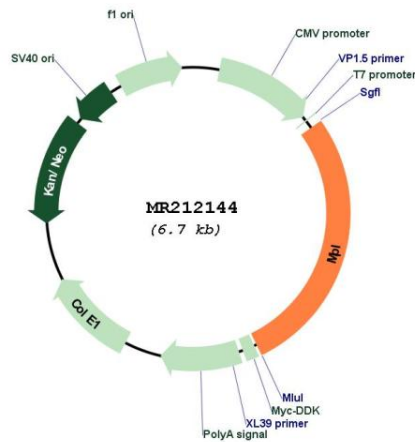
RefSeq: [NM_010823.3](#), [NP_034953.2](#)

RefSeq Size: 2914 bp

RefSeq ORF: 1878 bp

Locus ID: 17480
UniProt ID: [Q08351](#)
Cytogenetics: 4 54.61 cM
MW: 70.2 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]

Product images:



Circular map for MR212144