OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC201863

Mpo (NM_010824) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mpo (NM_010824) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mpo
Synonyms:	mKIAA4033
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

Fully Sequenced ORF:

>BC053912 sequence for NM_010824
AAGAGGTAATCCAGATGAAGCTACTCTTGGCCTTGGCAGGCCTCCTGGCCCCTCTGGCCATGCTTCAGAC
CTCCAATGGTGCCACCCCAGCTCTCCTGGGGGAAGTGGAGAATTCAGTTGTGCTGAGCTGTATGGAAGAG
GCCAAGCAGCTAGTGGACAGAGCCTACAAGGAGCGGAGAGAAAGCATCAAGCGGAGCCTCCAAAGCGGCT
CTGCCAGCCCCACGGAGCTCCTGTTTTACTTCAAGCAGCCGGTGGCGGGCACCAGAACAGCTGTGAGGGC
CGCTGATTATCTACATGTGGCCCTAGACCTGCTGAAGAGGAAGCTGCAGCCCCTGTGGCCAAGGCCTTTC
AATGTTACAGATGTGTTGACACCTGCTCAGCTGAATCTGTTGTCCGTGTCAAGTGGCTGTGCCTATCAGG
ACGTGAGGGTGACATGCCCACCGAATGACAAGTATCGCACCATCACTGGACACTGCAACAACAGACGAAG
CCCCACTCTGGGGGCCTCCAACCGTGCCTTTGTACGCTGGTTGCCTGCAGAGTATGAAGATGGCGTCTCC
ATGCCCTTTGGCTGGACGCCTGGAGTCAATCGCAATGGCTTCAAGGTGCCCCTGGCTCGCCAGGTCTCCA
ATGCCGTCGTGCGCTTCCCCAACGATCAGCTGACCAAGGACCAGGAGCGTGCACTCATGTTCATGCAGTG
GGGACAGTTTCTGGATCATGATATCACCTTGACTCCAGAGCCAGCTACCCGGTTCTCCTTCTTCACTGGC
CTCAACTGCGAGACCAGCTGCCTGCAGCAGCCACCCTGCTTCCCCCTCAAGATCCCACCCAATGACCCTC
GAATCAAGAACCAAAAGGACTGCATCCCCTTCTTCCGCTCCTGCCCGGCATGCACCAGGAACAACATCAC
CATTCGCAACCAGATCAACGCGCTCACTTCCTTCGTGGACGCCAGCGGGGTGTACGGCAGCGAGGACCCC
CTAGCCAGAAAGCTGCGCAACCTCACCAACCAGCTGGGGCTGCTGGCTATCAATACACGCTTCCAAGACA
ATGGCAGGGCCCTGATGCCCTTTGACAGCCTGCACGATGACCCCTGCCTCCTCACCAACCGCTCCGCCCG
CATTCCTTGTTTTCTGGCAGGGGACATGCGCTCCAGCGAGATGCCGGAGCTCACCTCCATGCACACCCTC
TTTGTTCGAGAGCATAACCGGCTGGCCACACAGCTCAAGCGCCTGAATCCTCGATGGAATGGGGAGAAGC
TCTACCAGGAGGCCCGGAAGATTGTAGGGGCCATGGTCCAGATCATCACATACCGGGACTACCTGCCCTT
GGTGTTGGGGCCAGCAGCCATGAAGAAGTACCTACCCCAGTACCGATCTTACAACGACTCAGTAGACCCT
CGAATCGCCAATGTCTTCACCAACGCTTTCCGTTATGGCCACACCCTCATCCAACCCTTCATGTTCCGCC
TGAACAATCAGTACCGGCCCACAGGGCCCAACCCCCGAGTCCCACTCAGCAAGGTCTTTTTTGCCAGCTG
GAGAGTCGTGTTGGAAGGTGGCATTGACCCCATCCTCCGAGGCCTCATGGCCACTCCAGCCAAACTGAAT
CGCCAGAATCAAATTGTGGTGGATGAGATCCGGGAGCGACTATTTGAGCAAGTCATGAGGATAGGACTGG
ATTTGCCTGCTCTTAACATGCAGCGCAGCCGGGATCACGGCCTCCCAGGATACAATGCCTGGAGACGCTT
TTGTGGGCTTCCACAGCCCAGCACAGTGGGTGAGCTCGGCACGGTGCTGAAGAACCTGGAGTTGGCACGG
AAGCTGATGGCACAATATGGCACGCCCAACAACATTGACATCTGGATGGGCGGTGTGTCCGAGCCCCTGG
AGCCCAATGGCCGTGTAGGCCAGCTCCTTGCCTGCCTCATTGGCACTCAGTTTAGGAAGCTACGTGATGG
TGATCGGTTTTGGTGGGAGAACCCAGGCGTGTTCAGTAAACAGCAGAGACAGGCCTTGGCCAGCATCTCC
TTGCCCCGTATCATCTGTGACAACACTGGCATCACCACTGTGTCGAAGAACAACATCTTCATGTCCAACA
CATACCCCCGAGACTTTGTCAGCTGTAACACTCTTCCTAAACTGAACCTGACTTCCTGGAAGGAGACCTA
GAGGTTGGGAGTCTGCCGGGAGAAGGACGGAGGCCATTGGCCTTCCTGTGCTATTTGTACCTGAGGTTCA
CACTAATAAAACATGGTGGATGGGGAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_010824

Insert Size: 2157 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:	BC053912, AAH53912
RefSeq Size:	2290 bp
RefSeq ORF:	2157 bp
Locus ID:	17523
UniProt ID:	P11247
Cytogenetics:	11 C
Gene Summary:	Part of the host defense system of polymorphonuclear leukocytes. It is responsible for microbicidal activity against a wide range of organisms. In the stimulated PMN, MPO catalyzes the production of hypohalous acids, primarily hypochlorous acid in physiologic situations, and other toxic intermediates that greatly enhance PMN microbicidal activity. [UniProtKB/Swiss-Prot Function]