

Product datasheet for **RN208969**

Mpo (NM_001107036) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Mpo (NM_001107036) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Mpo
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN208969 representing NM_001107036
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGCTTTTTTGGCCTTGGCAGGCCTCTGGCCCCCTGGCCATGCTTCAGACTTCCACTGGTGCCA
 CTCCAGCGCTCCCGGGGAAGTGGCGAACTCAGTGGTGGACTGCATGGAGGAGCCAAAGCGGTGGT
 GAACAAAGCCTACAAGGAGCGGAGAGAAAGCATCAAGCAGAGTCTTCAAGTGGCTCCGCCAGCCATG
 GAACTCCTATCGTATTTCAAGCAGCCGGTGGCGGGCACCAAGGACAGCTGTGAGGGCTGCCGACTATCTGC
 ACGTGGCCCTGGACCTGCTGAAGAGGAAGCTGCAGCCCTGTGGCCACGGCCTTTCAATGTCACAGGGGA
 CATGCGCTCCAGCGAGATGCCAGAGCTCACCTCCATGCACACCCTCTTCGTGCGAGAGCATAACCGTCTG
 GCCACAGAGCTCAAGCGCCTGAATCCTCGCTGGAATGGGGAGAAGCTTTACCAGGAGGCCCGGAAGATTG
 TGGGGGCCATGGTCCAGATCATCACATACCGAGACTACCTGCCCTTGGTGTGGGGCCAGCAGCCATGAA
 GAAGTACCTACCCAGTACCGATCCTACAATGACTCAGTAGACCCTCGGATCGCCAATGTCTTACCAAC
 GCTTTCGGTACGGCCACACCCTCATCCAACCCTCATGTTCCGCTGGACAATCAGTACCGGTCCACAG
 GACCCAACCCCGTGTCCACTCAGCAGGGTCTTTTTTGGCAGCTGGAGAGTTGTCTGGAAGGTGGCAT
 TGACCCCATCCTCCGAGGCTCATGGTACTCCTGCCAACTGAATCGCCAGAACCAAATTCGCGTGGAT
 GAGATCCGGGAGCGACTGTTGAGCAGGTATGAGGATAGGTCTTGACTTACCTGCCCTTAACATGCAGC
 GCAGCCGGGATCATGGCCTCCCGGGATACAATGCCTGGAGACGCTTCTGTGGCTTCCACAGCCAGCAC
 AGTGGGTGAGCTCGGCACGGTGTGAAGAACCTGGAGCTGGCACGGAAGCTGATGGCACAGTATGGCAGC
 CCCAACAAATTGACATCTGGATGGCGGTGTGTCGAGCCCCTAGAGCCCAATGGCCGCGTAGGCCAGC
 TCCTTGCTGCCTCATTGGCACTCAGTTAGGAAGCTACGGGATGGCGATAGGTTTTGGTGGGAGAACCC
 GGGTGTGTTAGTAAACAGCAGAGACAGGCCTGGCTACCATCTCCTTGGCCCGCATCATCTGTGACAAC
 ACTGGCATCACTACCGTGTCTAAGAACAACATCTCATGTCCAACCTCACACCCCGAGACTTTGTGAGCT
 GTAACACCCCTTCTAAACTGAATCTGGCTTCTGGAAGGAGACCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001107036
Insert Size:	1377 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:	<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_001107036.1, NP_001100506.1</u>
RefSeq Size:	1959 bp
RefSeq ORF:	1377 bp
Locus ID:	303413
Cytogenetics:	10q26
Gene Summary:	myeloperoxidase family member that may contribute to hyperoxia-mediated lung injury via nitration of proteins, resulting in reactive nitrogen species [RGD, Feb 2006]