Recombinant Mouse Mpo Protein, His-tagged

Cat. No. Mpo-52M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Myeloperoxidase is produced by our Mammalian expression system and the target gene encoding Met16-Thr718 is expressed with a 10His tag at the C-terminus.
Species	Mouse
Source	Human Cells
ProteinLength	16-718 a.a.
Description	Biased expression in liver E14.5 (RPKM 72.3), liver E14 (RPKM 65.9) and 2 other tissues.
AA Sequence	MLQTSNGATPALLGEVENSVVLSCMEEAKQLVDRAYKERRESIKRSLQSGSASPTE LLFYFKQPVAGTRTAVRAADYLHVALDLLKRKLQPLWPRPFNVTDVLTPAQLNLLSV SSGCAYQDVRVTCPPNDKYRTITGHCNNRRSPTLGASNRAFVRWLPAEYEDGVSM PFGWTPGVNRNGFKVPLARQVSNAIVRFPNDQLTKDQERALMFMQWGQFLDHDIT LTPEPATRFSFFTGLNCETSCLQQPPCFPLKIPPNDPRIKNQKDCIPFFRSCPACTRN NITIRNQINALTSFVDASGVYGSEDPLARKLRNLTNQLGLLAINTRFQDNGRALMPFD SLHDDPCLLTNRSARIPCFLAGDMRSSEMPELTSMHTLFVREHNRLATQLKRLNPR WNGEKLYQEARKIVGAMVQIITYRDYLPLVLGPAAMKKYLPQYRSYNDSVDPRIANV FTNAFRYGHTLIQPFMFRLNNQYRPTGPNPRVPLSKVFFASWRVVLEGGIDPILRGL MATPAKLNRQNQIVVDEIRERLFEQVMRIGLDLPALNMQRSRDHGLPGYNAWRRFC GLPQPSTVGELGTVLKNLELARKLMAQYGTPNNIDIWMGGVSEPLEPNGRVGQLLA

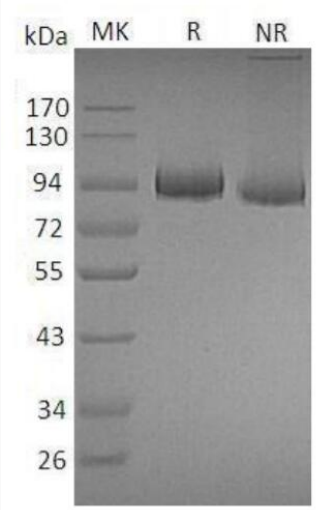
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	CLIGTQFRKLRDGDRFWWENPGVFSKQQRQALASISLPRIICDNTGITTVSKNNIFMS NTYPRDFVSCNTLPKLNLTSWKETHHHHHHHHHH
Endotoxin	Less than 0.1 ng/ɡ (1 IEU/ɡ) as determined by LAL test.
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Storage	Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days. Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name	Mpo myeloperoxidase [Mus musculus (house mouse)]
Official Symbol	Mpo
Synonyms	Mpo; myeloperoxidase; myeloperoxidase; EC 1.11.2.2
Gene ID	17523
mRNA Refseq	NM_010824

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Protein Refseq	NP_034954
UniProt ID	P11247
SDS-PAGE	

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