

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

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MLQTSNGATPALLGEVENSVVLSCMEEAKQLVDRAYKERRESIKRSLQSGSASPTE
LLFYFKQPVAGTRTAVRAADYLHVALDLLKRKLQPLWPRPFNVTDVLTPAQLNLLSV
SSGCAYQDVRVTCPPNDKYRTITGHCNNRRSPTLGASNRAFVRWLPAEYEDGVSM
PFGWTPGVNRNGFKVPLARQVSNAIVRFPNDQLTKDQERALMFMQWGQFLDHDIT
LTPEPATRFSFFTGLNCETSCLQQPPCFPLKIPPNDPRIKNQKDCIPFFRSCPACTRN
NITIRNQINALTSFVDASGVYGSSEDPLARKLRNLTNQLGLLAINTRFQDNGRALMPFD
SLHDDPCLLTNRSARIPCFLAGDMRSSEMPELTSMHTLFVREHNRLATQLKRLNPR
WNGEKLYQEARKIVGAMVQIITYRDYLPLVLGPAAMKKYLPQYRSYNDSVDPRIANV
FTNAFRYGHTLIQPFMFRLLNNQYRPTGPNPRVPLSKVFFASWRVVLEGGIDPILRGL
MATPAKLNQRNQIVVDEIRERLFEQVMRIGLDLPALNMQRSRDHGLPGYNARRFC
GLPQPSTVGELGTVLKNLELARKLMAQYGTPNNIDIWMGGVSEPLEPNRVRVQQLLA
    
```

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CLIGTQFRKLRDGDGRFVWENPGVFSKQQRQALASISLPRIICDNTGITTVSKNNIFMS
NTYPRDFVSCNTLPKLNLTWKETHHHHHHHHHHH

Endotoxin Less than 0.1 ng/g (1 IEU/g) 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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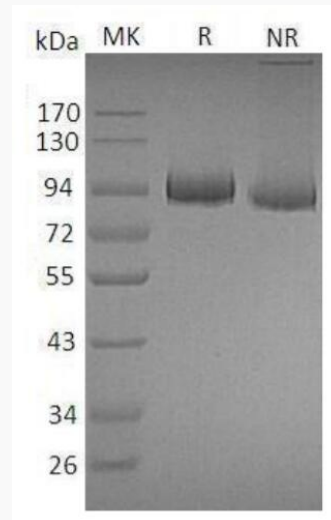
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Protein Refseq NP_034954

UniProt ID P11247

SDS-PAGE



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