

## Active Recombinant Mouse Mpo, His-tagged

Cat. No. Mpo-418M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Mpo (Accession # AAR99349) Met16-Thr718, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
<b>Species</b>	Mouse
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	16-718 a.a.
<b>Predicted N Terminal</b>	Met16
<b>Form</b>	Lyophilized from a 0.2 µ filtered solution in PBS.
<b>Bio-activity</b>	Measured by its ability to oxidize guaiacol in the presence of hydrogen peroxide. Capeillere-Blandin, C. (1998) Biochem J. 336 :395. The specific activity is >8,000 pmol/min/g, as measured under the described conditions.
<b>Molecular Mass</b>	Recombinant Mouse Mpo, His-tagged has a calculated MW of 81 kDa. In SDS-PAGE migrates as 85-95 kDa, reducing conditions.
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**GENE INFORMATION**

<b>Gene Name</b>	Mpo myeloperoxidase [ Mus musculus ]
<b>Official Symbol</b>	Mpo
<b>Synonyms</b>	MPO; myeloperoxidase; mKIAA4033; KIAA4033;
<b>Gene ID</b>	17523
<b>mRNA Refseq</b>	NM_010824
<b>Protein Refseq</b>	NP_034954

**MIM**

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