

## Recombinant Rat Mpo Protein, His-tagged

Cat. No. Mpo-1790R    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Mpo Protein (Val252-Thr458) with N-His tag was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Val252-Thr458
<b>Description</b>	Enables peroxidase activity. Involved in several processes, including response to food; response to gold nanoparticle; and response to lipopolysaccharide. Located in extracellular space. Used to study acute kidney failure. Biomarker of chronic obstructive pulmonary disease; cystitis; and renovascular hypertension. Human ortholog(s) of this gene implicated in several diseases, including Alzheimer's disease 1; cystic fibrosis; kidney failure (multiple); liver disease (multiple); and lung disease (multiple). Orthologous to human MPO (myeloperoxidase).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 26.7 kDa Accurate Molecular Mass: 27 kDa
<b>Purity</b>	> 97%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

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<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in ddH <sub>2</sub> O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

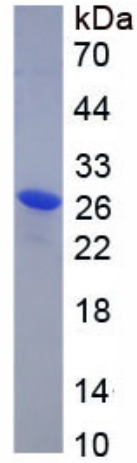
## GENE INFORMATION

<b>Gene Name</b>	Mpo myeloperoxidase [ <i>Rattus norvegicus</i> (Norway rat) ]
<b>Official Symbol</b>	Mpo
<b>Synonyms</b>	MPO; myeloperoxidase; EC 1.11.1.7
<b>Gene ID</b>	303413
<b>mRNA Refseq</b>	NM_001107036
<b>Protein Refseq</b>	NP_001100506
<b>UniProt ID</b>	D3ZGE2

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