

Recombinant Rat Mpo protein, His & T7-tagged

Cat. No. Mpo-2639R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Mpo aa. (Val134~Gly263 (Accession # D3ZGE2)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Val134~Gly263
Description	Myeloperoxidase family member that may contribute to hyperoxia-mediated lung injury via nitration of proteins, resulting in reactive nitrogen species.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 19.0kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 10.4.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37°C 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.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

Storage buffer

Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

Reconstitution

Reconstitute in sterile ddH₂O.

GENE INFORMATION

Gene Name

[Mpo myeloperoxidase \[Rattus norvegicus \(Norway rat\) \]](#)

Official Symbol

[Mpo](#)

Synonyms

Mpo; myeloperoxidase

Gene ID

[303413](#)

mRNA Refseq

[NM_001107036.1](#)

Protein Refseq

[NP_001100506.1](#)

UniProt ID

[D3ZGE2](#)

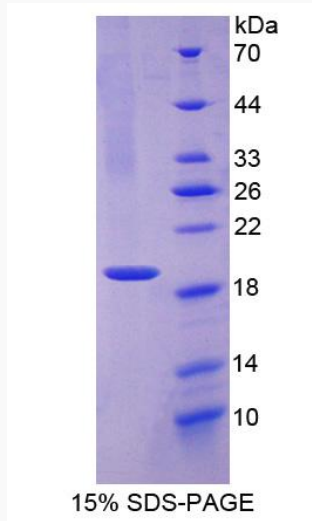
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SDS-PAGE



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