

Recombinant Rat Mpo Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Rat Mpo Protein (Val252-Thr458) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Val252-Thr458
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.7 kDa Accurate Molecular Mass: 27 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

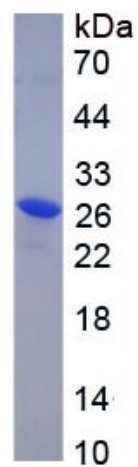
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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in ddH2O to a concentration of 0.1-1.0 mg/mL. Do not vortex.
GENE INFORMATION	
Gene Name	Mpo myeloperoxidase [Rattus norvegicus (Norway rat)]
Official Symbol	Mpo
Synonyms	MPO; myeloperoxidase; EC 1.11.1.7
Gene ID	303413
mRNA Refseq	NM_001107036
Protein Refseq	NP_001100506
UniProt ID	D3ZGE2

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