

Recombinant Human MPO protein, His-tagged

Cat. No. MPO-49H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MPO fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Form	lyophilized from a 0.2um filtered solution in PBS, pH 7.4 with 5% trehalose and 0.01% thimerosal
Molecular Mass	65.8kD
AA Sequence	MKKGHHHHHHLVPRGSCPEQDKYRTITGMCNNRRSPTLGASNRAFVRWLPAEYED GFSLPYGWTPGVKRNFGPVALARAVSNEIVRFPTDQLTPDQERSLMFMQWGQLLD HDLDFTPEPAARASFTGVNCETSCVQQPPCFPLKIPPN DPRIKNQADCIPFFRSCP ACPGSNITIRNQINALTSFVDASMVYGSEEPLARNLRNMSNQLGLLAVNQRFQDNG RALLPFDNLHDDPCLLTNRSARIPCFLAGDTRSSEMPELTSMHTLLLREHNRLATELK SLNPRWDGERLYQEAR KIVGAMVQIITYRDYLPVLGPTAMRKYLPTYRSYNDSDV PRIANVFTNAFRYGHITLIQPFMFRLDNRYQPMEP NPRVPLSRVFFASWRVVLEGGI DPILRGLMATPAKLNQRQNIQAVDEIRERLFEQVMRIGLDLPALNMQRSRDHG LPGYN AWRRFCGLPQPETVGQLGTVLRNLKLARKLMEQYGTPNNIDIWMGGVSEPLKRKG RVGPLLACIIGTQF RKL RDGDRFVWENEGVFSMQQRQALAQISLPRIICDNTGITT SKNNIFMSNSYPRDFVNCSTLPALNLASWRE AS
Purity	Greater than 95% by SDS-PAGE gel analyses.

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Applications	Immunogen for antibody production, immunological and mass myoglobin standard, myoglobin biochemical and immunochemical studies.
Storage	- 20°C for Lyophilized, - 80°C for Liquid
GENE INFORMATION	
Gene Name	MPO myeloperoxidase [Homo sapiens]
Official Symbol	MPO
Synonyms	MPO; myeloperoxidase;
Gene ID	4353
mRNA Refseq	NM_000250
Protein Refseq	NP_000241
MIM	606989
UniProt ID	P05164
Chromosome Location	17q21.3-q23
Pathway	C-MYB transcription factor network, organism-specific biosystem; Folate Metabolism, organism-specific biosystem; IL23-mediated signaling events, organism-specific biosystem; Phagosome, organism-specific biosystem; Phagosome, conserved biosystem; Selenium Pathway, organism-specific biosystem; Transcriptional misregulation in cancer, organism-specific biosystem;

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Function

chromatin binding; heme binding; heparin binding; metal ion binding; oxidoreductase activity; peroxidase activity;

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