

## Recombinant Human MPO Protein, GST-tagged

Cat. No. MPO-2943H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MPO Protein was expressed in E. coli with GST tag.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Myeloperoxidase (MPO) is a heme protein synthesized during myeloid differentiation that constitutes the major component of neutrophil azurophilic granules. Produced as a single chain precursor, myeloperoxidase is subsequently cleaved into a light and heavy chain. The mature myeloperoxidase is a tetramer composed of 2 light chains and 2 heavy chains. This enzyme produces hypohalous acids central to the microbicidal activity of neutrophils.
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8.).
<b>Molecular Mass</b>	32 kDa
<b>Purity</b>	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Store for up to 12 months at -20 centigrade to -80 centigrade as lyophilized powder.
<b>Reconstitution</b>	Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

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## GENE INFORMATION

**Gene Name** MPO myeloperoxidase [ Homo sapiens (human) ]

**Official Symbol** MPO

**Synonyms** MPO; myeloperoxidase

**Gene ID** 4353

**mRNA Refseq** NM\_000250.1

**Protein Refseq** NP\_000241.1

**MIM** 606989

**UniProt ID** P05164

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