

# Recombinant Human MPO Protein, GST-tagged

**Cat. No.** MPO-5506H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human MPO partial ORF ( NP_000241, 646 a.a. - 745 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <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. [provided by RefSeq] |
| <b>Molecular Mass</b>   | 36.74 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | GVSEPLKRKGRVGPLLACIIGTQFRKL RDGDRFWWENEGVFSMQQRQALAQISLPR<br>IICDNTGITTVSKNNIFMSNSYPRDFVNCSTLPALNLASWREAS                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                                                                                                                                                                               |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                                                                                                                                                                          |

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**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** MPO myeloperoxidase [ Homo sapiens ]

**Official Symbol** MPO

**Synonyms** MPO; myeloperoxidase;

**Gene ID** 4353

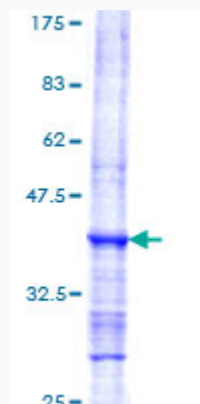
**mRNA Refseq** NM\_000250

**Protein Refseq** NP\_000241

**MIM** 606989

**UniProt ID** P05164

**Quality Control Testing:**



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12.5% SDS-PAGE Stained with Coomassie Blue.