

## Product datasheet for **TP701116**

### Myeloperoxidase (MPO) (NM\_000250) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human myeloperoxidase (MPO), Ser155-End, with N-terminal His tag, secretory expressed in HEK293 cells, 50ug
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC216029, encoding the region Ser155-End of MPO
Tag:	N-HIS
Predicted MW:	67.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	PBS, pH 7.4, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_000241</a>
Locus ID:	4353
UniProt ID:	<a href="#">P05164</a>
RefSeq Size:	3215
Cytogenetics:	17q22
RefSeq ORF:	2235



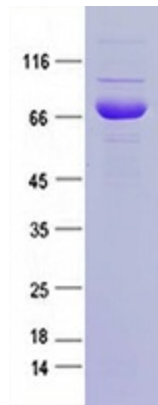
[View online »](#)

**Summary:**

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, Nov 2014]

**Protein Families:**

Druggable Genome

**Product images:**

Purified recombinant protein MPO was analyzed by SDS-PAGE gel and Coomassie Blue Staining.