

## Product datasheet for TP316029M

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

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human myeloperoxidase (MPO), nuclear gene encoding mitochondrial protein, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216029 representing NM_000250 Red=Cloning site Green=Tags(s)

MGVPPFSSLRMVDLGPCWAGGLTAEMKLLLALAGLLAILATPQPSEGAAPAVLGEVDTSVLSSMEEAK  
QLVDKAYKERRESIKQRLRSGSASPMELLSYFKQPVAATRTAVRAADYLHVALDLLERKLRSLWRRPFNV  
TDVLTPAQLNVLSKSSGCAYQDVGVTCPEDQKYRTITGMCNNRRSPTLGASNRAFVRWLPAEYEDGFSLP  
YGWTPGVKRNFGFPVALARAVSNEIVRFPTDQLTPDQERSLMFMQWGQLLDHDLDFTEPEAARASFVTGVN  
CETSCVQQPPCFPLKIPPNDPRIKNQADCIPFFRSCPACPGSNITIRNQINALTSFVDASMVGSEEPLA  
RNLRNMSNQLGLLAVNQRFQDNQRALLPFDNLHDDPCLLTNRSARIPCFLAGDTRSSPELTSMTLLL  
REHNRLATELKS LNPRWDGERLYQEARKIVGAMVQIITYRDYLPVLGPTAMRKYLPYRSYNDSDPRI  
ANVFTNAFRYGHTLIQPFMFRLDNRYQPMENPRVPLSRVFFASWRWVLEGGIDPILRGLMATPAKLNKQ  
NQIAVDEIRERLFEQVMRIGLDLPALNMQRSDHGLPGYNARRFCGLPQPETVGQLGTVLRNLKLRKL  
MEQYGTNNIDIWMGGVSEPLKRGVGPLLACIIGTQFRKLRDGDGRFWWENEGVFSMQQRQALAQISLP  
RIICDNTGITTVSKNNIFMSNSYPRDFVNCSTLPALNLSWREAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

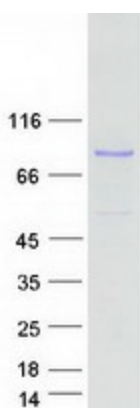
Tag:	C-Myc/DDK
Predicted MW:	83.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_000241</a>
<b>Locus ID:</b>	4353
<b>UniProt ID:</b>	<a href="#">P05164</a>
<b>RefSeq Size:</b>	3215
<b>Cytogenetics:</b>	17q22
<b>RefSeq ORF:</b>	2235
<b>Summary:</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, Nov 2014]
<b>Protein Families:</b>	Druggable Genome

### Product images:



Coomassie blue staining of purified MPO protein (Cat# [TP316029]). The protein was produced from HEK293T cells transfected with MPO cDNA clone (Cat# [RC216029]) using MegaTran 2.0 (Cat# [TT210002]).