



[Go to Product page](#)

Datasheet for ABIN7534796  
**Myeloperoxidase Protein (MPO) (His tag)**

### Overview

Quantity:	100 µg
Target:	Myeloperoxidase (MPO)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Myeloperoxidase protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human MPO Protein
Sequence:	AAPAVLGEVD TSLVLSSMEE AKQLVDKAYK ERRESIKQRL RSGSASPMEL LSYFKQPVA TRTAVRAADY LHVALDLLER KLRSLWRRPF NVTDLTPAQ LNVLSKSSGC AYQDVGVTCP EQDKYRTITG MCNNRRSPTL GASNRAFVRW LPAEYEDGFS LPYGWTPGVK RINGFPVALAR AVSNEIVRFP TDQLTPDQER SLMFMQWGQL LDHDLDFTPPE PAARASFVTG VNCETSCVQQ PPCFPLKIPP NDPRIKNQAD CIPFFRSCPA CPGSNITIRN QINALTSFVD ASMVYGSEEP LARNLRNMSN QLGLLAVNQR FQDNRRALLP FDNLHDDPCL LTNRSARIPC FLAGDTRSS MPELTSMHTL LLREHNRLAT ELKSLNPRWD GERLYQEARK IVGAMVQIIT YRDYLPLVLG PTAMRKYLPT YRSYNDSDVP RIANVFTNAF RYGHNTLIQPF MFRLDNRYQP MEPNPRVPLS RVFFASWRVW LEGGIDPILR GLMATPAKLN RQNQIAVDEI RERLFEQVMR IGLDLPALNM QRRSRDHGLPG YNAWRRFCGL PGPETVGQLG TVLRNLKLAR KLMEQYGTNP NIDIWMGGVS EPLKRKGRVG PLLACIIGTQ FRKLRDGRDF WWENEGVFSM QQRQALAQIS LPRIICDNTG ITTVSKNNIF MSNSYPRDFV NCSTLPALNL ASWREAS
Specificity:	Ala49-Ser745

## Product Details

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Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 1.0 EU/µg of the protein by LAL method.

## Target Details

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Target:	Myeloperoxidase (MPO)
Alternative Name:	MPO ( <a href="#">MPO Products</a> )
Background:	<p>Description: 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.</p> <p>Name: MPO, Myeloperoxidase (MPO), myeloperoxidase</p>
Gene ID:	4353
UniProt:	<a href="#">P05164</a>
Pathways:	<a href="#">Chromatin Binding</a>

## Application Details

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Restrictions:	For Research Use only
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## Handling

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Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Concentration:	0.44 mg/mL
Buffer:	Lyophilized from a 0.22 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.
Storage:	-20 °C, -80 °C

## Handling

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Storage Comment: Store the lyophilized protein at -20°C to -80 °C for long term.  
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.