



# Recombinant Mouse Myeloperoxidase (Mpo)

<b>Product Code</b>	CSB-YP014757MO
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P11247
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>VT CPPNDKYRTI TGHCNNRRSP TLGASNRAFV RWLPAEYEDG  VSMFPGWTPG VNRNGFKVPL ARQVSNAIVR FPNLQTKDQ  ERALMFMQWG QFLDHDITLT PEPATRFSSFF TGLNCETSCL QQPPCFPLKI  PPNDPRIKNQ KDCIPFFRSC PACTRNNITI RNQINALTSF VDASGVYVYSE  DPLARKLRNL TNQLGLLAIN TRFQDNGRAL MPFDSLHDDP CLLTNRSARI  PCFLAGDMRS SEMPELTSMH TLFVREHNRL ATQLKRLNPR WNGEKLYQEA  RKIVGAMVQI ITYRDYLPLV LGPAAMKKYL PQYRSYNSDV DPRIANVFTN  AFRYGHTLIQ PFMFRLNNQY RPTGPNPRVP LSKVFFASWR VVLEGGIDPI  LRGLMATPAK LNRQNQIVVD EIRERLFEQV MRIGLDLPAL NMQRSRDHGL  PGYNAWRRFC GLPQPSTVGE LGTVLKNLEL ARKLMAQYGT PNNIDIWMGG  VSEPLEPNGR VGQLLAFLIG TQFRKLRDGD RFWWENPGVF SKQQRQALAS  ISLPRIICDN TGITTVSKNN IFMSNTYPRD FVSCNTLPKL NLTSWKET</p>
<b>Source</b>	Yeast
<b>Target Names</b>	Mpo
<b>Protein Names</b>	Recommended name: Myeloperoxidase Short name= MPO EC= 1.11.2.2 Cleaved into the following 2 chains: 1. Myeloperoxidase light chain 2. Myeloperoxidase heavy chain
<b>Expression Region</b>	139-718
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</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>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.