

Recombinant Myeloperoxidase (MPO) Instruction Manual

SIPA246Mu02

Mus musculus (Mouse)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Lysosome
Predicted Molecular Mass	52.5kDa
Accurate Molecular Mass	54kDa(Analysis of differences refer to the manual)
Residues & Tags	Leu253~Thr718 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 95%
Isoelectric Point	9.6
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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LNCETSCL QQPPCFPLKI PPNDPRIKNQ KDCIPFFRSC PACTRNITI  
RNQINALTSF VDASGVYGSE DPLARKLRNL TNQLGLLAIN TRFQDNGRAL  
MPFDSLHDDP CLLTNRSARI PCFLAGDMRS SEMPELTSMH TLFVREHNRL  
ATQLKRLNPR WNGEKLYQEA RKIVGAMVQI ITYRDYLPLV LGPAAMKKYL  
PQYRSYNSV DPRIANVFTN AFRYGHTLIQ PFMFRLNNQY RPTGPNPRVP  
LSKVFFASWR VVLEGGIDPI LRGLMATPAK LNRQNQIVVD EIRERLFEQV  
MRIGLDLPAL NMQRSRDHGL PGYNARRFC GLPQPSTVGE LGTVLKNLEL  
ARKLMAQYGT PNNIDIWMGG VSEPLEPNGR VGQLLAFLIG TQFRKLRDGD  
RFWWENPGVF SKQQRQALAS ISLPRIICDN TGITTVSKNN IFMSNTYPRD  
FVSCNTLPKL NLTSWKET
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USAGE

Reconstitute in ddH₂O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Image

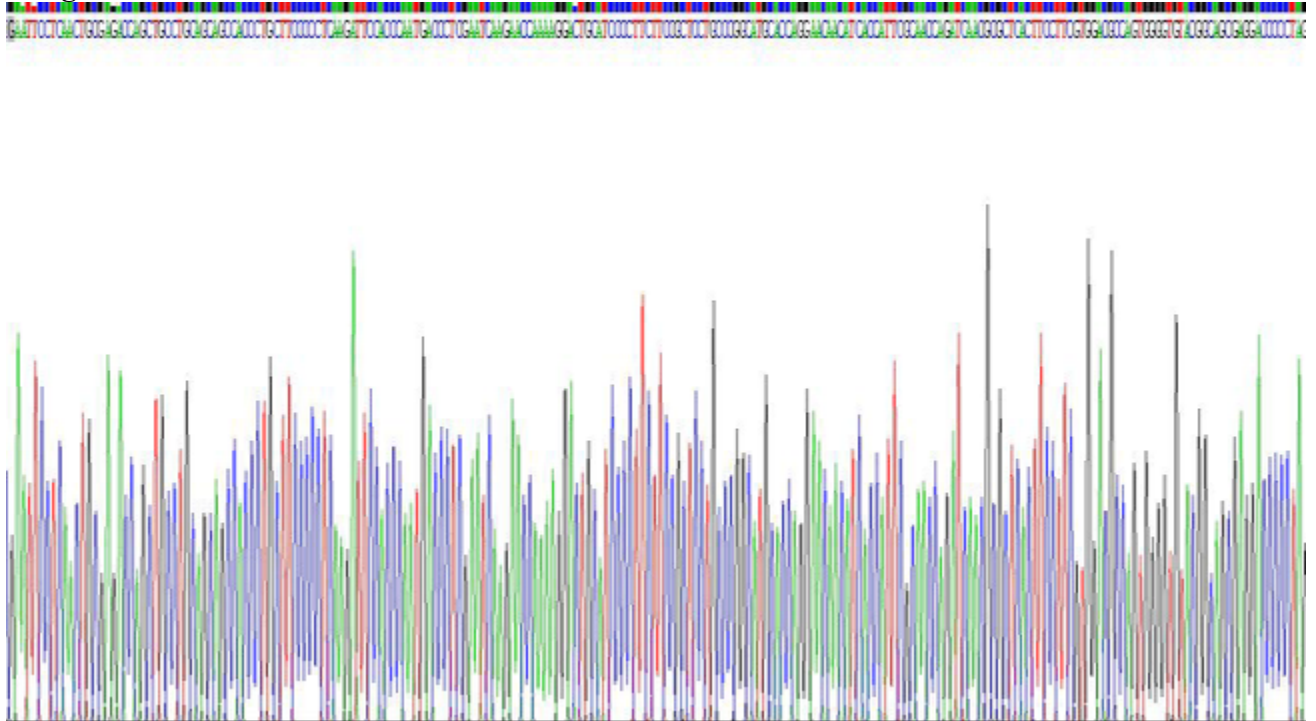


Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.

