

RPA601Mu02 10µg

**Recombinant Myeloperoxidase (MPO)** 

Organism Species: Mus musculus (Mouse)

Instruction manual

FOR RESEARCH USE ONLY NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)



## [ PROPERTIES ]

**Source:** Prokaryotic expression

Host: E.coli

Residues: Leu253~Thr718

Tags: N-terminal His Tag

Subcellular Location: Lysosome

**Purity:** > 95%

Traits: Freeze-dried powder

**Buffer formulation:** 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5%Trehalose.

Original Concentration: 90µg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 9.6

Predicted Molecular Mass: 52.5kDa

**Accurate Molecular Mass:** 54kDa as determined by SDS-PAGE reducing conditions.

### [USAGE]

Reconstitute in ddH<sub>2</sub>O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

#### [STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

**Stability Test:** 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.

### [ SEQUENCE ]

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

### [ IDENTIFICATION ]

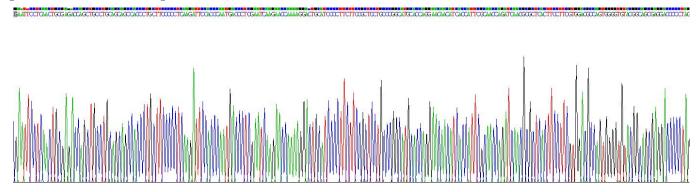


Figure . Gene Sequencing (extract)

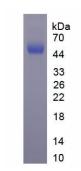


Figure. SDS-PAGE

# [ 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.