

**RPJ138Mu01 10µg**

**Recombinant Eosinophil Peroxidase (EPX)**

**Organism Species: *Mus musculus* (Mouse)**

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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13th Edition (Revised in Aug, 2023)

## **[ PROPERTIES ]**

**Source:** Prokaryotic expression

**Host:** *E.coli*

**Residues:** Gln19~Arg300

**Tags:** N-terminal His and GST Tag

**Subcellular Location:** Cytoplasm

**Purity:** > 80%

**Traits:** Freeze-dried powder

**Buffer formulation:** PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose.

**Original Concentration:** 60µg/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:** 10.0

**Predicted Molecular Mass:** 61.8kDa

**Accurate Molecular Mass:** 62/28kDa as determined by SDS-PAGE reducing conditions.

## **[ USAGE ]**

Reconstitute in ddH<sub>2</sub>O to a concentration of 0.1-0.5 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.

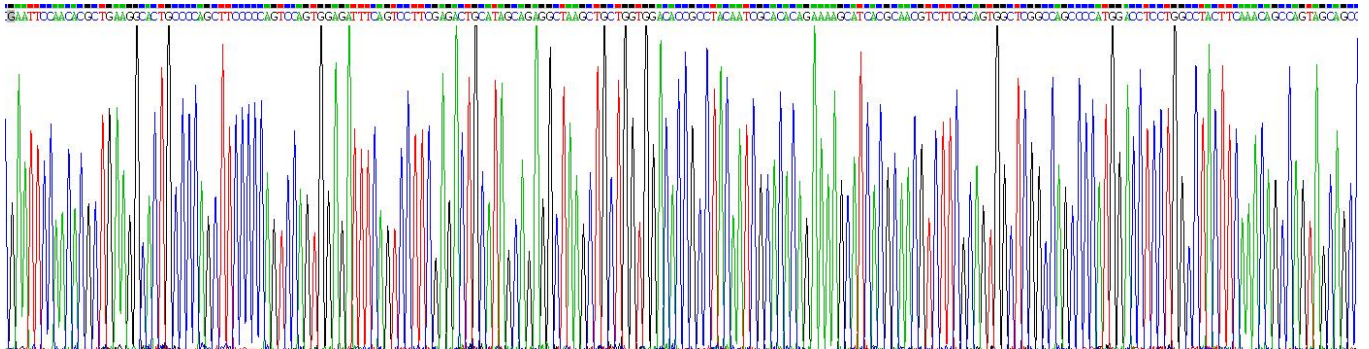
**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration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

## **[ SEQUENCE ]**

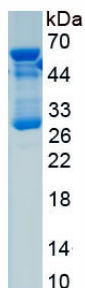
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              QH AEGTAPASPS PVEISVLRDC IAEAKLLVDT
AYNHTQKSIM  QRLRSGSASP MDLLAYFKQP VAATRRVVQA ADYMHVALGL
LEERLQPRGS  RPFNATDVL T EPQLRLLSQA SGCALQDQAE RCSNKYRTIT
GRCNNKKHPW  LGASNQALAR  WLPAEYEDHR SLPFGWTPGK RRNGFLLPLV
RDVSNQIVRF  PSKKLTSDRG  RALMFMQWQ FIDHDLDFSP ESPARVAFSM
GVDCEKTC AQ LPPCFPIKIP RNDPRIKNQR DCIPFFRSAP ACPQNRNKVR
  
```

## [ 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.