

## Recombinant Mouse Epx Protein, His-tagged

**Cat. No.** Epx-905M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Epx Protein (Gln19-Arg300) with His tag was expressed in CHO.                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | CHO                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | Gln19-Arg300                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | This gene encodes a member of the peroxidase superfamily of enzymes that is produced by eosinophils and plays a critical role in eliminating tissue-invasive parasites. The encoded preproprotein undergoes proteolytic processing to generate a heterodimeric enzyme that forms a predominant component of the intracellular granules of eosinophils. Mice lacking the encoded protein exhibit resistance to ulcerative colitis induced by dextran sulfate. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 33.4 kDa; Accurate Molecular Mass: 66 kDa                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>           | > 97%                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Stability</b>        | 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 centigrade for                                                                                                                                                                                                                                                                                |

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48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage**

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

**Storage Buffer**

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

**Gene Name**

Epx eosinophil peroxidase [ Mus musculus (house mouse) ]

**Official Symbol**

Epx

**Synonyms**

EPX; eosinophil peroxidase; EPO;

**Gene ID**

13861

**mRNA Refseq**

NM\_007946

**Protein Refseq**

NP\_031972

**UniProt ID**

P49290

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