

## Recombinant Mouse Eprs protein, His & T7-tagged

**Cat. No.** Eprs-8224M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Eprs aa. (Gly1007~Tyr1512 (Accession # Q8CGC7)) fused with N-terminal His & T7 tag was produced in E. coli cells.                                                                                                                                                                                                            |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | Gly1007~Tyr1512                                                                                                                                                                                                                                                                                                                                |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 61.3kDa.                                                                                                                                                                                                                                                                                                             |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>           | >90%                                                                                                                                                                                                                                                                                                                                           |
| <b>Characteristic</b>   | The isoelectric point is 5.9.                                                                                                                                                                                                                                                                                                                  |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP.                                                                                                                                                                                                                                                                                                                       |
| <b>Stability</b>        | The thermal stability is described by the loss rate of the target protein. 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.<br>(Referring from China Biological Products Standard, which was calculated by the |

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Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

**Storage**

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

**Storage Buffer**

Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

**Reconstitution**

Reconstitute in sterile ddH<sub>2</sub>O.

## GENE INFORMATION

**Gene Name**

Eprs glutamyl-prolyl-tRNA synthetase [ *Mus musculus* (house mouse) ]

**Official Symbol**

Eprs

**Synonyms**

Eprs; glutamyl-prolyl-tRNA synthetase; Qprs; C79379; 2410081F06Rik; 3010002K18Rik; bifunctional glutamate/proline--tRNA ligase; bifunctional glutamate/proline--tRNA ligase; glutamine-proline-tRNA synthetase

**Gene ID**

107508

**mRNA Refseq**

NM\_029735.1

**Protein Refseq**

NP\_084011.1

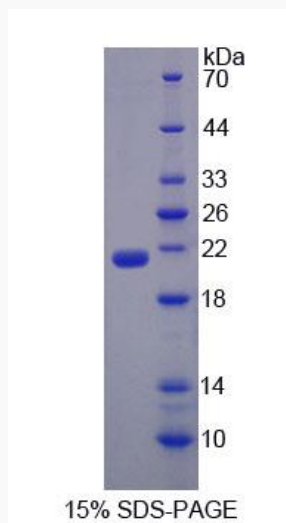
**UniProt ID**

Q8CGC7

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**SDS-PAGE**

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