

## Recombinant Rat Iars2 Protein, His-tagged

Cat. No. Iars2-1643R Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Iars2 Protein (Tyr848-Lys1062) with N-His tag was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>Protein Length</b>	Tyr848-Lys1062
<b>Description</b>	Predicted to enable isoleucine-tRNA ligase activity. Predicted to be involved in isoleucyl-tRNA aminoacylation and mitochondrial translation. Predicted to be active in mitochondrion. Orthologous to human IARS2 (isoleucyl-tRNA synthetase 2, mitochondrial).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 27.6 kDa Accurate Molecular Mass: 28 kDa
<b>Purity</b>	> 90%
<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**

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in PBS or others.

## GENE INFORMATION

**Gene Name**

[lars2 isoleucyl-tRNA synthetase 2, mitochondrial \[ Rattus norvegicus \(Norway rat\) \]](#)

**Official Symbol**

[lars2](#)

**Synonyms**

IARS2; isoleucyl-tRNA synthetase 2, mitochondrial; isoleucyl-tRNA synthetase, mitochondrial; mitochondrial isoleucine tRNA synthetase; isoleucine-tRNA synthetase 2, mitochondrial; RGD1311857;

**Gene ID**

[364070](#)

**mRNA Refseq**

[NM\\_001135184](#)

**Protein Refseq**

[NP\\_001128656](#)

**UniProt ID**

[A0A0G2K261](#)

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