

Recombinant Rat Iars2 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Rat Iars2 Protein (Tyr848-Lys1062) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Tyr848-Lys1062
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.6 kDa Accurate Molecular Mass: 28 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	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

[Iars2 isoleucyl-tRNA synthetase 2, mitochondrial \[Rattus norvegicus \(Norway rat\) \]](#)

Official Symbol

[Iars2](#)

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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