

Recombinant Mouse lars2 Protein, His-tagged

Cat. No. lars2-1642M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse lars2 Protein (Tyr798-Lys1012) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Tyr798-Lys1012
Description	Predicted to enable isoleucine-tRNA ligase activity. Predicted to be involved in isoleucyl-tRNA aminoacylation and mitochondrial translation. Predicted to act upstream of or within translation. Located in mitochondrion. Is expressed in several structures, including alimentary system; genitourinary system; nervous system; respiratory system; and sensory organ. Orthologous to human IARS2 (isoleucyl-tRNA synthetase 2, mitochondrial).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.7 kDa Accurate Molecular Mass: 28 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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 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 isoleucine-tRNA synthetase 2, mitochondrial [Mus musculus (house mouse)]
Official Symbol	lars2
Synonyms	IARS2; isoleucine-tRNA synthetase 2, mitochondrial; isoleucine--tRNA ligase, mitochondrial; ileRS; isoleucyl-tRNA synthetase, mitochondrial; C79125; 2010002H18Rik; MGC63429;
Gene ID	381314
mRNA Refseq	NM_198653
Protein Refseq	NP_941055
UniProt ID	Q8BIJ6

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