

Recombinant Mouse Lars2 Protein, His-tagged

Cat. No. Lars2-1731M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Lars2 Protein (Gln609-Glu902) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Gln609-Glu902
Description	Predicted to enable leucine-tRNA ligase activity. Predicted to be involved in leucyl-tRNA aminoacylation and mitochondrial translation. Predicted to act upstream of or within translation. Located in mitochondrion. Is expressed in pancreas epithelium. Human ortholog(s) of this gene implicated in Perrault syndrome. Orthologous to human LARS2 (leucyl-tRNA synthetase 2, mitochondrial).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 36.6 kDa Accurate Molecular Mass: 37 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

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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 leucyl-tRNA synthetase, mitochondrial [*Mus musculus* (house mouse)]

Official Symbol

Lars2

Synonyms

LARS2; leucyl-tRNA synthetase, mitochondrial; probable leucine--tRNA ligase, mitochondrial; leucine--tRNA ligase; probable leucyl-tRNA synthetase, mitochondrial; LEURS; AI035546; Kiaa0028;

Gene ID

102436

mRNA Refseq

NM_153168

Protein Refseq

NP_694808

UniProt ID

Q8VDC0

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