

Recombinant Mouse Lars Protein, His&GST-tagged

Cat. No. Lars-1730M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Lars Protein (Met1-Ala321) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Ala321
Description	Enables leucine-tRNA ligase activity. Involved in leucyl-tRNA aminoacylation. Part of aminoacyl-tRNA synthetase multienzyme complex. Is expressed in several structures, including alimentary system; genitourinary system; nervous system; sensory organ; and skeleton. Human ortholog(s) of this gene implicated in infantile liver failure syndrome 1. Orthologous to human LARS1 (leucyl-tRNA synthetase 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 66.7 kDa Accurate Molecular Mass: 67 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

Lars leucyl-tRNA synthetase [Mus musculus (house mouse)]

Official Symbol

Lars

Synonyms

LARS; leucyl-tRNA synthetase; leucine--tRNA ligase, cytoplasmic; leuRS; leucyl-tRNA synthetase, cytoplasmic; AW536573; mKIAA1352; 2310045K21Rik; 3110009L02Rik;

Gene ID

107045

mRNA Refseq

NM_134137

Protein Refseq

NP_598898

UniProt ID

Q8BMJ2

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