

Recombinant Human LARS2 Protein, His-tagged

Cat. No. LARS2-2385H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LARS2 Protein (Leu677-Asp903) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Leu677-Asp903
Description	This gene encodes a class 1 aminoacyl-tRNA synthetase, mitochondrial leucyl-tRNA synthetase. Each of the twenty aminoacyl-tRNA synthetases catalyzes the aminoacylation of a specific tRNA or tRNA isoaccepting family with the cognate amino acid.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.1 kDa Accurate Molecular Mass: 29 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
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 leucyl-tRNA synthetase 2, mitochondrial [Homo sapiens (human)]
Official Symbol	LARS2
Synonyms	LARS2; leucyl-tRNA synthetase 2, mitochondrial; probable leucine--tRNA ligase, mitochondrial; KIAA0028; leucine tRNA ligase 2; mitochondrial; LEURS; MGC26121; leucine transase; leucine tRNA ligase 2, mitochondrial; probable leucyl-tRNA synthetase, mitochondrial;
Gene ID	23395
mRNA Refseq	NM_015340
Protein Refseq	NP_056155
MIM	604544

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UniProt ID

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