

## Recombinant Mouse Lias Protein, His-tagged

**Cat. No.** Lias-1738M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Lias Protein (Met1-Arg216) with N-His tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1-Arg216
<b>Description</b>	Enables lipoate synthase activity. Acts upstream of or within several processes, including lipoate biosynthetic process; neural tube closure; and response to lipopolysaccharide. Located in mitochondrion. Is expressed in alimentary system; liver; metanephros; salivary gland; and urinary system. Human ortholog(s) of this gene implicated in pyruvate decarboxylase deficiency. Orthologous to human LIAS (lipoic acid synthetase).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 27.8 kDa Accurate Molecular Mass: 31 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

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<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Lias lipoic acid synthetase [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	<a href="#">Lias</a>
<b>Synonyms</b>	LIAS; lipoic acid synthetase; lipoyl synthase, mitochondrial; LS; lip-syn; lipoate synthase; lipoic acid synthase; 7a5ex; mLip1; C77512; MGC7254; 2900022L22Rik; 4933425M12Rik;
<b>Gene ID</b>	<a href="#">79464</a>
<b>mRNA Refseq</b>	<a href="#">NM_024471</a>
<b>Protein Refseq</b>	<a href="#">NP_077791</a>
<b>UniProt ID</b>	<a href="#">Q99M04</a>

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