

Recombinant Mouse Lias Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse Lias Protein (Met1-Arg216) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Arg216
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.8 kDa Accurate Molecular Mass: 31 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA