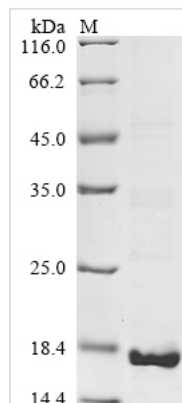




Recombinant Mouse Isoleucine--tRNA ligase,cytoplasmic (lars1), partial

Product Code	CSB-EP803936MO
Abbreviation	Recombinant Mouse lars1 protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q8BU30
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Mouse Isoleucine--tRNA ligase,cytoplasmic(lars1),partial
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	NWYVRMNRRLKGESGVEDCVMALETLSVLLSLCRLMAPYTPFLTELMYQN LKLLIDPASLRDKDTLSIHYLMLPRVREELIDKKTENAVSRMQSVIEL
Research Area	Others
Source	E.coli
Target Names	lars1
Expression Region	732-831aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	16.8 kDa
Protein Length	Partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The recombinant Mouse lars1 protein production is accomplished by manipulating the expression of the desired gene in e.coli cells. The sequence (732-831aa) of foreign DNA is incorporated into an expression vector and subsequently introduced into e.coli cells. Positive cells are selected and cultured to induce the expression of the desired protein. The protein carries a N-terminal 10xHis tag and C-terminal Myc tag. The resulting recombinant Mouse lars1 protein undergoes affinity purification, with a purity surpassing 85%, as measured by SDS-PAGE.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.