

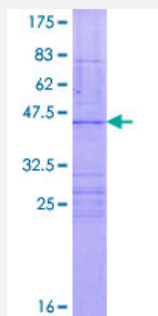
Full-Length

# LIAS (Human) Recombinant Protein (P01)

Catalog # H00011019-P01

Size 25 ug, 10 ug

## Applications



## Specification

Product Description	Human LIAS full-length ORF ( AAH62751.1, 1 a.a. - 142 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSLRCGDAARTLGPRVFGRYFCSPVRPLSSLDPDKKKELLQNGPDLQDFVSGDLADRSTWDEYK GNLKRQKGERLRLPPWLKTEIPMGKNYNKLKNTLRNLNLHTVCEEARCPNIGECWGGGEYATATA TIMVGPASTSMALV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	42.2
Interspecies Antigen Sequence	Mouse (87); Rat (87)
Preparation Method	<a href="#">in vitro wheat germ expression system</a>
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Note**

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — LIAS

**Entrez GeneID** [11019](#)**GeneBank Accession#** [BC062751.1](#)**Protein Accession#** [AAH62751.1](#)**Gene Name** LIAS**Gene Alias** HUSSY-01, LAS, LIP1, MGC23245**Gene Description** lipoic acid synthetase**Omim ID** [607031](#)**Gene Ontology** [Hyperlink](#)

**Gene Summary** The protein encoded by this gene belongs to the biotin and lipoic acid synthetases family. It localizes in mitochondrion and plays an important role in alpha-(+)-lipoic acid synthesis. It may also function in the sulfur insertion chemistry in lipoate biosynthesis. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified. [provided by RefSeq]

**Other Designations** lipoate synthase

## Pathway

- [Lipoic acid metabolism](#)
- [Metabolic pathways](#)