

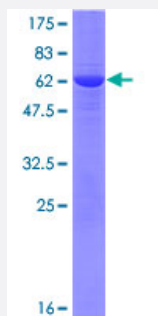
Full-Length

LCMT1 (Human) Recombinant Protein (P02)

Catalog # H00051451-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human LCMT1 full-length ORF (NP_057393.2, 1 a.a. - 334 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MATRQRESSITSCCSTSSCDADDEGVRGTCEDASLCKRFAVSIGYWHPYIQHFVRLSKERKAP
EINRGYFARVHGVSQLIKAFRLKTECHCQIVNLGAGMDTTFWRLKDEDLLPSKYFEVDFPMVTRK
LHSICKPPLSSPILELHSEDTLQMDGHILDSKRYAVIGADLRDLSELEEKLLKCNMNTQLPTLLIAE
CVLVYMTPEQSANLLKWAANSFERAMFINYEQVNMGDRFGQIMENLRRRQCFLAGVETCKSLES
QKERLLSNGWETASAVDMMELYNRLPRAEVSRIESLEFLDEMELLEQLMRHYCLCWATKGGNEL
GLKEITY

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

64.8

Interspecies Antigen Sequence

Mouse (90); Rat (88)

Preparation Method

[in vitro wheat germ expression system](#)

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 — LCMT1

Entrez GeneID[51451](#)**GeneBank Accession#**[NM_016309.2](#)**Protein Accession#**[NP_057393.2](#)**Gene Name**

LCMT1

Gene Alias

CGI-68, LCMT, PPMT1

Gene Description

leucine carboxyl methyltransferase 1

Omim ID[610286](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

LCMT1 catalyzes the methylation of the carboxyl group of the C-terminal leucine residue (leu309) of the catalytic subunit of protein phosphatase-2A (PPP2CA; MIM 176915) (De Baere et al., 1999 [PubMed 10600115]).[supplied by OMIM]

Other Designations

protein phosphatase methyltransferase 1

Pathway

- [Aminophosphonate metabolism](#)

- [Androgen and estrogen metabolism](#)
- [Histidine metabolism](#)
- [Selenoamino acid metabolism](#)
- [Tyrosine metabolism](#)