

Recombinant Mouse Lcmt2 Protein, Myc/DDK-tagged

Cat. No. Lcmt2-3760M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length leucine carboxyl methyltransferase 2 (Lcmt2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Probable S-adenosyl-L-methionine-dependent methyltransferase that acts as a component of the wybutosine biosynthesis pathway. Wybutosine is a hyper modified guanosine with a tricyclic base found at the 3'-position adjacent to the anticodon of eukaryotic phenylalanine tRNA. May methylate the carboxyl group of leucine residues to form alpha-leucine ester residues.
Molecular Mass	75.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Lcmt2 leucine carboxyl methyltransferase 2 [Mus musculus (house mouse)]
Official Symbol	Lcmt2
Synonyms	LCMT2; leucine carboxyl methyltransferase 2; tRNA yW-synthesizing protein 4 homolog; p21WAF1/CIP1 promoter-interacting protein; tRNA wybutosine-synthesizing protein 4 homolog; D330024M17
Gene ID	329504
mRNA Refseq	NM_177846
Protein Refseq	NP_808514
UniProt ID	Q8BYR1

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