

Recombinant Human LCMT2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. LCMT2-6269H Lot. No. (See product label)

SPECIFICATION

Product Overview	LCMT2 MS Standard C13 and N15-labeled recombinant protein (NP_055608) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this intronless gene belongs to the highly variable methyltransferase superfamily. This gene is the inferred homolog of the <i>Saccharomyces cerevisiae</i> carboxymethyltransferase gene PPM2 that is essential for the synthesis of the hypermodified guanosine Wybutosine (yW).
Molecular Mass	75.6 kDa
AA Sequence	<p>MGPRSRERRAGAVQNTNDSSALSKRSLAARGYVQDPFAALLVPGAARRAPLIHRGY YVRARAVRHCVRAFLEQIGAPQAALRAQILSLGAGFDSLYFRLKTAGRLARAAVWEV DFPDVARRKAERIGETPELCALTGPFERGEPASALCFESADYCILGLDLRQLQRVEE ALGAAGLDAASPTLLLAEAVLTYLEPESAAALIAWAAQRFPNALFVVYEQMRPQDAF GQFMLQHFRQLNSPLHGLERFPDVEAQRRLQAGWTACGAVDMNEFYHCFLPAE ERRRVENIEPFDEFEEWHLKCAHYFILAASRGDTLSHTLVFPSSEAFPRVNPASPSG VFPASVVSSEGQVPNLKRYGHASVFLSPDVLSAGGFGEQGRHCRVSQFHLLSRD CDSEWKGSQIGSCGTGVQWDGRLYHTMTRLSESRVLVLGGRLSPVSPALGVLQLH FFKSEDNNTEDLKVTITKAGRKDDSTLCCWRHSTTEVSCQNQEYLFVYGGRSVVEP</p>

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VLSDWHFLHVGTMMAWVRIPVEGEVPEARHSHSACTWQGGALIAGGLGASEEPLNS
 VLFLRPISCGFLWESVDIQPPITPRYSHTAHVLNGKLLLVGGIWIHSSSFPGVTVINLT
 TGLSSEYQIDTTYVPWPLMLHNHTSILLPEEQQLLLLGGGGNCFSGTYFNPHTVTL
 DLSSLSAGQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name LCMT2 leucine carboxyl methyltransferase 2 [Homo sapiens (human)]

Official Symbol LCMT2

Synonyms LCMT2; leucine carboxyl methyltransferase 2; KIAA0547; MGC9534; PPM2; tRNA yW synthesizing protein 4; TYW4; tRNA-yW synthesizing protein 4; tRNA-Wybutosine-synthesizing protein 4; p21WAF1/CIP1 promoter-interacting protein; FLJ51321;

Gene ID 9836

mRNA Refseq NM_014793

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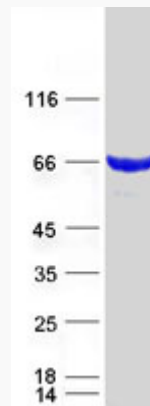
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Protein Refseq NP_055608

MIM 611246

UniProt ID O60294

SDS-PAGE



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