OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for PH302227

LCMT2 (NM_014793) Human Mass Spec Standard

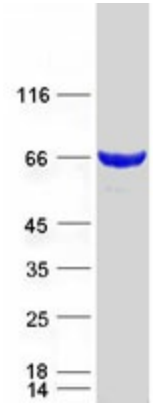
Product data:

Product Type:	Mass Spec Standards
Description:	LCMT2 MS Standard C13 and N15-labeled recombinant protein (NP_055608)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202227
Predicted MW:	75.6 kDa
Protein Sequence:	>RC202227 protein sequence Red=Cloning site Green=Tags(s) MGPRSRERRAGAVQNTNDSSALSKRSLAARGYVQDPFAALLVPGAARRAPLIHRGYYVRARAVRHCVRAF LEQIGAPQAALRAQILSLGAGFDSLYFRLKTAGRLARAAVWEVDFPDVARRKAERIGETPELCALTGPFE RGEPASALCFESADYCILGLDLRQLQRVEEALGAAGLDAASPTLLLAEAVLTYLEPESAAALIAWAAQRF PNALFVVYEQMRPQDAFGQFMLQHFRQLNSPLHGLERFPDVEAQRRRFLQAGWTACGAVDMNEFYHCFLP AEERRRVENIEPFDEFEEWHLKCAHYFILAASRGDTLSHTLVFPSSEAFPRVNPASPSGVFPASVVSSEG QVPNLKRYGHASVFLSPDVILSAGGFGEQEGRHCRVSQFHLLSRDCDSEWKGSQIGSCGTGVQWDGRLYH TMTRLSESRVLVLGGRLSPVSPALGVLQLHFFKSEDNNTEDLKVTITKAGRKDDSTLCCWRHSTTEVSCQ NQEYLFVYGGRSVVEPVLSDWHFLHVGTMAWVRIPVEGEVPEARHSHSACTWQGGALIAGGLGASEEPLN SVLFLRPISCGFLWESVDIQPPITPRYSHTAHVLNGKLLLVGGIWIHSSSFPGVTVINLTTGLSSEYQID TTYVPWPLMLHNHTSILLPEEQQLLLLGGGGNCFSFGTYFNPHTVTLDLSSLSAGQ TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_055608
RefSeq Size:	2860

View online »

RefSeq ORF:	2058
Synonyms:	PPM2; TYW4
Locus ID:	9836
UniProt ID:	O60294
Cytogenetics:	15q15.3
Summary:	The protein encoded by this intronless gene belongs to the highly variable methyltransferase superfamily. This gene is the inferred homolog of the Saccharomyces cerevisiae carboxymethyltransferase gene PPM2 that is essential for the synthesis of the hypermodified guanosine Wybutosine (yW). [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome
Protein Pathways:	Alzheimer's disease, Androgen and estrogen metabolism, Cardiac muscle contraction, Histidine metabolism, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease, Selenoamino acid metabolism, Tyrosine metabolism

Product images:



Coomassie blue staining of purified LCMT2 protein (Cat# [TP302227]). The protein was produced from HEK293T cells transfected with LCMT2 cDNA clone (Cat# [RC202227]) using MegaTran 2.0 (Cat# [TT210002]).