
Product Data Sheet

Product Name: LCMT1 Human
 Cat. No.: GP21865
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Leucine carboxyl methyltransferase 1; Protein-leucine O-methyltransferase; [Phosphatase 2A protein]-leucine-carboxy methyltransferase 1; LCMT1; LCMT; PPMT1; CGI-68.		
Amino Acid Sequence	<p>MGSSHHHHHH SGLVPRGSH MGSHEMATRQR ESSITSCCST SSCDADDEGV RGTCEDASLC KRFAVSIGYW HDPYIQHFVR LSKERKAPEI NRGYFARVHG VSQLIKAFLR KTECHCQIVN LGAGMDTTFW RLKDEDLLPS KYFEVDFPMI VTRKLHSIKC KPPLSSPILE LHSEDTLQMD GHILDSKRYA VIGADLRDLS ELEEKLLKCN MNTQLPTLLI AECVLVYMTP EQSANLLKWA ANSFERAMFI NYEQVNMGDR FGQIMIENLR RRQCDLAGVE TCKSLESQKE RLLSNGWETA SAVDMMELYN RLPRAEVSRI ESLEFLDEME LLEQLMRHYC LCWATKGGNE LGLKEITY.</p>		
Formulation	The LCMT1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol, 1mM DTT and 0.15M NaCl.		

Introduction

LCMT1 is a member of the LCMT family, methyltransferase superfamily. LCMT1 catalyzes the methylation of the carboxyl group of the C-terminal leucine residue (leu309) of the catalytic subunit of protein phosphatase-2A to form alpha-leucine ester residues.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

LCMT1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide

Caution: Product has not been fully validated for medical applications. For research use only.

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chain containing 358 amino acids (1-334) and having a molecular mass of 41kDa.LCMT1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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