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LCMT1 Human

Catalog #:ENPS-226

For research use only.

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

Synonyms: Leucine carboxyl methyltransferase 1, Protein-leucine O-methyltransferase, [Phosphatase 2A protein]-leucine-carboxy methyltransferase 1, LCMT1, LCMT, PPMT1, CGI-68.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSHMATRQR ESSITSCCST SSCDADDEGV RGTCEDASLC KRFAVSIGYW HDPYIQHFVR LSKERKAPEI NRGYFARVHG VSQLIKAFLR KTECHCQIVN LGAGMDTTFW RLKDEDLLPS KYFEVDFPMI VTRKLHSIKC KPPLSSPILE LHSEDTLQMD GHILDSKRYA VIGADLRDLS ELEEKLKKCN MNTQLPTLLI AECVLVYMTP EQ

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:
The LCMT1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol, 1mM DTT and 0.15M NaCl.

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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

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.

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