



# Recombinant Human Leucine carboxyl methyltransferase 2 (LCMT2)

<b>Product Code</b>	CSB-EP012809HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O60294
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>MGPRSRERRA GAVQNTNDSS ALSKRSLAAR GYVQDPFAAL LVPGAARRAP          LIHRGYVRA RAVRHCVRAF LEQIGAPQAA LRAQILSLGA GFDSLYFRLK          TAGRLARA AV WEVDFPDVAR RKAERIGETP ELCALTGPFE RGEPASALCF          ESADYCILGL DLRQLQRVEE ALGAAGLDAA SPTLLLAEAV LTYLEPESAA          ALIAWAAQRF PNALFVVYEQ MRPQDAFGQF MLQHFRQLNS PLHGLERFPD          VEAQRRRFLQ AGWTACGA VD MNEFYHCFLP AEERRRVENI EPFDEFEEWH          LKCAHYFILA ASRGDTLSHT LVFPSSEAFP RVNPASPSGV FPASVVSSEG          QVPNLKRYGH ASVFLSPDVI LSAGGFGEQE GRHCRVSQFH LLSRDCDSEW          KGSQIGSCGT GVQWDGRLYH TMLRLSESRV LVLGGRLSPV SPALGVLQLH          FFKSEDNTE DLKVTITKAG RKDDSTLCCW RHSTTEVSCQ NQEYLFVYGG          RSVVEPVLS D WHFLHVG TMA WVRIPVEGEV PEARHSHSAC TWQGGALIAG          GLGASEEPLN SVLFLRPISC GFLWESVDIQ PPITPRYSHT AHVLNGKLLL          VGGIWIHSSS FPGVTVINLT TGLSSEYQID TTYVPWPLML HNHTSILLPE          EQQLLLLGGG GNCFSFGTYF NPHTVTL DLS SLSAGQ</p>
<b>Source</b>	E.coli
<b>Target Names</b>	LCMT2
<b>Protein Names</b>	<p>Recommended name: Leucine carboxyl methyltransferase 2 EC= 2.1.1.-          Alternative name(s): p21WAF1/CIP1 promoter-interacting protein tRNA          wybutosine-synthesizing protein 4 homolog Short name= tRNA yW-synthesizing          protein 4 homolog</p>
<b>Expression Region</b>	1-686
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	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).
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.