



# Recombinant Escherichia coli O157:H7 Ribosomal RNA large subunit methyltransferase L (rlmL)

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| <b>Product Code</b>      | CSB-EP466784EOE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Uniprot No.</b>       | B5YT79                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Immunogen Species</b> | Escherichia coli O157:H7 (strain EC4115 / EHEC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Sequence</b>          | MNSLFASTAR GLEELLKTEL ENLGAVECQV VQGGVHFKGD TRLVYQSLMW<br>SRLASRIMLP LGECKVYSDL DLYLGVQAIN WTEMFNPGAT FAVHFSGLND<br>TIRNSQYGAM KVKDAIVDAF TRKNLPRPNV DRDAPDIRVN VWLHKETASI<br>ALDLSGDGLH LRGYRDRAGI APIKETLAAA IVMRSGWQPG TPLLDPMC GS<br>GTLLEIAAML ATDRAPGLHR GRWGFSGWAQ HDEAIWQEVK AEAQTRARKG<br>LAEYSSHFYG SDS DARVIQR ARTNARLAGI GELITFEVKD VAQLTNPLPK<br>EPYGTVLSNP PYGERLDSEP ALIALHSLLG RIMKNQFGGW NLSLFSASPD<br>LLSCLQLRAD KQYKAKNGPL DCVQKNYHVA ESTPDSKPAM VAEDYANRLR<br>KNLKKFEKWA RQEGIECYRL YDADLPEYNV AVDRYADWV VQEYAPPKTI<br>DAHKAQRRLF DIIAATISVL GIAPNKLVLK TRERQKGKNQ YQKLGEKGEF<br>LEVTEYNAHL WVNLT DYLDL TGLFLDHRIAR RMLGQMSKGK DFLNLF SYTG<br>SATVHAGLGG ARSTTTVDMS RTYLEWAERN LRLNGLTGRA HRLIQADCLA<br>WLREANEQFD LIFIDPPTFS NSKRME DAFD VQRDHLALMK DLKRLLRAGG<br>TIMFSNNKRG FRMDLDGLAK LGLKAQEITQ KTLSQDFARN RQIHNCWLIT AA |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Target Names</b>      | rlmL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Protein Names</b>     | Recommended name: Ribosomal RNA large subunit methyltransferase L EC=2.1.1.173 Alternative name(s): 23S rRNA m2G2445 methyltransferase rRNA (guanine-N(2)-)-methyltransferase RlmL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Expression Region</b> | 1-702                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <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>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**

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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.