



# Recombinant Ribosomal RNA large subunit methyltransferase L (rImL)

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| <b>Product Code</b>      | CSB-MP834847EOD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Abbreviation</b>      | rImL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <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>       | Q8XDB2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Immunogen Species</b> | Escherichia coli O157:H7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <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<br>GSGTLLIEAAML ATDRAPGLHR GRWGFSGWAQ HDEAIWQEVK AEAQTRARKG<br>LAEYSSHFYG SDSARVIQR ARTNARLAGI GELITFEVKD VAQLTNPLPK<br>EPYGTVLSNP PYGERLDSEP ALIALHSLLG RIMKNQFGGW NLSLFSASPD<br>LLSCLQLRAD KQYKAKNGPL DCVQKNYHVA ESTPDSKPAM VAEDYANRLR<br>KNLKKFEKWA RQEGIECYRL YDADLPEYNV AVDRYADWVV VQEYAPPKTI<br>DAHKARQRLF DIIAATISVL GIAPNKLVLK TRERQKGKNQ YQKLGEKGEF<br>LEVTEYNAHL WVNLTDYLDL GLFLDHRIAR RMLGQMSKGG DFLNLFSTYTG<br>SATVHAGLGG ARSTTTVDMS RTYLEWAERN LRLNGLTGRA HRLIQADCLA<br>WLREANEQFD LIFIDPPTFS NSKRMEAFD VQRDHLALMK DLKRLLRAGG<br>TIMFSNNKRG FRMDLDGLAK LGLKAQEITQ KTLSQDFARN RQIHNCWLIT AA |
| <b>Source</b>            | Mammalian cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Target Names</b>      | rImL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Names</b>     | Recommended name: Ribosomal RNA large subunit methyltransferase L EC=2.1.1.173<br>Alternative name(s): 23S rRNA m2G2445 methyltransferase rRNA (guanine-N(2)-)-methyltransferase RImL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <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.

### 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.