



# Recombinant Escherichia coli O6:K15:H31 2-isopropylmalate synthase (leuA)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-EP607051EGY   |
| <b>Abbreviation</b>      | leuA  |
| <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>       | Q0TLR5  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Escherichia coli O6:K15:H31 (strain 536 / UPEC)   |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MSQQVIIFDT TLRDGEQALQ ASLSVKEKLQ IALALERMGV DVMEVGFPVS<br>SPGDFESVQT IARQVKNSRV CALARCVEKD IDVAAESLKV AEAfriHTFI<br>ATSPMHIATK LRSTLDEVIE RAIYMKRAR NYTDDVEFSC EDAGRTPiAD<br>LARVVEAAIN AGATTINIPD TVGYTMPFEF AGIISGLYER VPNIKAIIS<br>VHTHDDLGLA VGNSLA AVHA GARQVEGAMN GIGERAGNCS LEEVIMAIKV<br>RKDILNVHTA INHQEIWRTS QLVSQICNMP IPANKAIVGS GAFAHSSGIH<br>QDGV LKNREN YEIMTPESIG LNQIQLNLTS RSGRAAVKHR MDEMGYKESE<br>YNLDNLYDAF LKLADKKGQV FDYDLEALAF IGKQQEPEH FRLDYFSVQS<br>GSNDIATAAV KLACGEEVKA EAANGNGPVD AVYQAINRIT DYNVELVKYS<br>LTAKGHGKDA LGQVDIVANY NGRRFHGVGL ATDIVESSAK AMVHVLNNIIV<br>RAAEVEKELQ RKAQHNENNK ETV |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | leuA  |
| <b>Protein Names</b>     | Recommended name: 2-isopropylmalate synthase EC= 2.3.3.13<br>Alternative name(s): Alpha-IPM synthase Alpha-isopropylmalate synthase   |
| <b>Expression Region</b> | 1-523   |
| <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.   |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  |



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