



Recombinant Escherichia coli 2-isopropylmalate synthase (leuA)

| | |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Code | CSB-EP544404ENX-B |
| Storage | 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. |
| Uniprot No. | B1LG11 |
| Product Type | Recombinant Protein |
| Immunogen Species | Escherichia coli (strain SMS-3-5 / SECEC) |
| Purity | >85% (SDS-PAGE) |
| Sequence | MSQQVIFDT TLRDGEQALQ ASLSAKEKLQ IALALERMGV DVMEVGFPPVS SPGDFESVQT IARQVKNSRV CALARCVEKD IDVAAESLKV AEAfriHTFI ATSPMHIATK LRSTLDEVIE RAIYMKRAR NYTDDVEFSC EDAGRTPiAD LARVVEAAIN AGATTINIPD TVGYTMPFEF AGIISGLYER VPNIIDKAIIS VHTHDDLGLA VGNSLAAVHA GARQVEGAMN GIGERAGNCS LEEVIMAIKV RKDILNVHTA INHQEIWRTS QLVSQICNMP IPANKAIVGS GAFAHSSGIH QDGVLNREN YEIMTPESIG LNQIQLNLTS RSGRAAVKHR MDEMGYKESE YNLDNLYDAF LKLADKKGQV FDYDLEALAF IGKQQEPEH FRLDYFSVQS GSNDIATAAV KLACGEEVKA EAANGNGPVD AVYQAINRIT DYNVELVKYS LTAKGHGKDA LGQVDIVANY NGRRFHGVGL ATDIVESSAK AMVHVLNNIIV RAAEVEKELQ RKAQHNENNK ETV |
| Source | E.coli |
| Target Names | leuA |
| Protein Names | Recommended name: 2-isopropylmalate synthase EC= 2.3.3.13 Alternative name(s): Alpha-IPM synthase Alpha-isopropylmalate synthase |
| Expression Region | 1-523 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | full length protein |
| Reconstitution | 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.