



Recombinant Escherichia coli O7:K1 2-isopropylmalate synthase (leuA)

Product Code	CSB-EP488022EON-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.	B7NHI2
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli O7:K1 (strain IAI39 / ExPEC)
Purity	>85% (SDS-PAGE)
Sequence	MSQQVIFDT TLRDGEQALQ ASLSVKEKLQ IALALERMGV DVMEVGFPPVS SPGDFESVQT IARQVKNSRV CALARCVEKD IDVAAESLKV AEAfriHTFI ATSPMHIATK LRSTLDEVIE RAIYMKRAR NYTDDVEFSC EDAGRTPiAD LARVVEAAIN AGATTINIPD TVGYTMPFEF AGIISGLYER VPNIIDKAIIS VHTHDDLGLA VGNSLA AVHA GARQVEGAMN GIGERAGNCS LEEVIMAIKV RKDILNVHTA INHQEIWRTS QLVSQICNMP IPANKAIVGS GAFAHSSGIH QDGV LKNREN 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.