Ketol-Acid Reductoisomerase (ilvC) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ketol-acid reductoisomerase (ilvC), Recombinant Protein
Full Product Name	Recombinant Ketol-acid reductoisomerase (ilvC)
Product Gene Name	ilvC recombinant protein
Product Synonym Names	Ketol-acid reductoisomerase; EC=1.1.1.86; Acetohydroxy-acid isomeroreductase; Alpha-keto-beta-hydroxylacil reductoisomerase
Sequence	RKNSILKKNQ SWINATKNNF LVGDYESLIP NADLVINLTP DKQHSNVVKE LQKLMKKDAC LGYSHGFNIV ENGETIRKDI TVIMVAPKCP GTEVREEYKR GFGVPTLIAV HNENDYSNMG LEVAKAWAFS TGGHRAGVLE SSFVAEVKSD LMGEQTILCG MLQTASLVCY EKLITTQNHP GYAGKLIQFG WETITESLKH GGITLMMDRL SNSSKIRAFK LSQEIKRIFS KLFQKHMDDI ISGDFSSKMI QDWKNKDQNL LNWRYKTKNT SFEQSPDYDK KILEQEYYDH GILMVAILKA GIELSFETMI QSGIMEESAY YESLHELPLI ANTIARKKLY EMN
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	39,012 Da
Sequence Positions	1-343aa; full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9AQ96
Species	Buchnera aphidicola subsp. Macrosiphoniella ludovicianae
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ilvC recombinant protein	MBS1482199 is a recombinant protein targeting ilvC. Also known as Recombinant Ketol-acid reductoisomerase (ilvC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ilvC recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ilvC. It may not necessarily be applicable to this product.

NCBI GI #	18202710
NCBI Accession #	Q9AQ96.1
UniProt Primary Accession #	Q9AQ96
NCBI Official Full Name	Ketol-acid reductoisomerase

UniProt Protein Name	Ketol-acid reductoisomerase
UniProt Synonym Protein Names	Acetohydroxy-acid isomeroreductase; Alpha-keto-beta-hydroxylacyl reductoisomerase
Protein Family	Ketol-acid reductoisomerase
UniProt Gene Name	ilvC
UniProt Entry Name	ILVC_BUCML
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