4-Hydroxy-2-Oxovalerate Aldolase 3 (Bxeno_b0695) (Bxeno_B0695) Burkholderia Xenovorans Recombinant Protein

PRODUCT OVERVIEW

Product Name	4-hydroxy-2-oxovalerate aldolase 3 (Bxeno_B0695), Recombinant Protein
Full Product Name	Recombinant Burkholderia xenovorans 4-hydroxy-2-oxovalerate aldolase 3 (Bxeno_B0695)
Product Gene Name	Bxeno_B0695 recombinant protein
Product Synonym Gene Name	Bxeno_B0695
Sequence	MDRKLYISDV TLRDGSHAIR HQYSIDNVQQ IARALDSAKV DSIEVAHGDG LQGSSFNYGF GAHSDLEWIE AVADVVGHAQ IATLLLPGIG TIHDLKAAYQ AGARIVRVAT HCTEADISKQ HIEYARELGM DTVGFLMMSH MTTPENLAVE AKKMESYGAT CIYVVDSGGA MNMNDVRARF RALKAVLKPE TKTGMHAHHN LSLGVANSLV AVEEGCDRID ASLAGMGAGA GNAPLEVFIA AAERAGWHHG TDLYTLMDAA DDIVRPLQDR PVRVDRETLA LGYAGVYSSF LRHSEVAAKK YGLKAVDILV ELGKRRMVGG QEDMIVDVAL DLKRAAGV
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	36,450 Da
Sequence Positions	1-338, 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 Q13QH6
Species	Burkholderia xenovorans (strain LB400)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Bxeno_B0695 recombinant protein	MBS1386438 is a recombinant protein targeting Bxeno_B0695. Also known as Recombinant Burkholderia xenovorans 4-hydroxy-2-oxovalerate aldolase 3 (Bxeno_B0695). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Bxeno_B0695 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 Bxeno_B0695. It may not necessarily be applicable to this product.

NCBI GI #	499810289
NCBI GeneID	4007179
NCBI Accession #	WP_011491023.1

UniProt Primary Accession #	Q13QH6
UniProt Related Accession #	Q13QH6
GenBank Nucleotide #	WP_011491023.1
NCBI Official Full Name	4-hydroxy-2-oxovalerate aldolase
NCBI Official Symbol	dmpG
UniProt Protein Name	4-hydroxy-2-oxovalerate aldolase 3
UniProt Synonym Protein Names	4-hydroxy-2-keto-pentanoic acid aldolase 3
UniProt Gene Name	Bxeno_B0695
UniProt Synonym Gene Names	HOA 3
NCBI Protein Information	4-hydroxy-2-oxovalerate aldolase
UniProt Comments for Bxeno_B0695	Catalyzes the retro-aldol cleavage of 4-hydroxy-2-oxopentanoate to pyruvate and acetaldehyde. Is involved in the meta-cleavage pathway for the degradation of aromatic compounds.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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