Alanine Racemase 1 (alr1) Clostridium Acetobutylicum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Alanine racemase 1 (alr1), Recombinant Protein
Full Product Name	Recombinant Clostridium acetobutylicum Alanine racemase 1 (alr1)
Product Gene Name	alr1 recombinant protein
Product Synonym Gene Name	alr1
Sequence	MFRHIRPVWA EIDLDNIAYN MQQIRRCSKS DEIIGVVKAD AYGHGAVDVA PVLLENGANR LAVAVISEAV ELRKSGIQCP IMILGYTPLS LVDSIIKYSI EQTVFSYDYA EKLSEAARQK NITLRIHIAL DTGMGRIGFL PTEESVWEVY KISKLSNIII EGIFSHFSTS DETNKEYTYA QLKKFEWFYN ELRKKNIKIN IRHIGNSAAI MELPETHFEA TRPGIILYGY YPSNEVDKNK LNLKPIMTLK TNVVHIKKMM PGEYVSYGRK FKCERESIIA TLPVGYADGY TRMLSGKAKV IINGNYAPVI GRICMDQCMI DITDLPSVQV GDEVVIMGES DDKKFTADDM AEIIGTINYE VICMISKRVP RVYIKNGEVV KIRNYV
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	43,736 Da
Sequence Positions	1-386, 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 Q97LR2
Species	Clostridium acetobutylicum (strain 824 / DSM 792 / JCM 1419 / LMG 5710 / VKM B-1787)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for alr1 recombinant protein	MBS1391714 is a recombinant protein targeting alr1. Also known as Recombinant Clostridium acetobutylicum Alanine racemase 1 (alr1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of alr1 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 alr1. It may not necessarily be applicable to this product.

NCBI GI #	15893783
NCBI GeneID	1116675
NCBI Accession #	NP_347132.1
UniProt Primary Accession #	Q97LR2

UniProt Related Accession #	Q97LR2
GenBank Nucleotide #	NC_003030.1
NCBI Official Full Name	alanine racemase
NCBI Official Symbol	alr
UniProt Protein Name	Alanine racemase 1
Protein Family	Alanine racemase
UniProt Gene Name	alr1
NCBI Protein Information	alanine racemase
UniProt Comments for alr1	Catalyzes the interconversion of L-alanine and D-alanine. May also act on other amino acids.
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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