Alanine Racemase 2 (alr2) Vibrio Cholerae Serotype O1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Alanine racemase 2 (alr2), Recombinant Protein
Full Product Name	Recombinant Vibrio cholerae serotype O1 Alanine racemase 2 (alr2)
Product Gene Name	alr2 recombinant protein
Product Synonym Gene Name	alr2
Sequence	MPSFSLSAAP LHIDTALPDA AQIQQSNSWL EISLGQFQSN IEQFKSHMNA NTKICAIMKA DAYGNGIRGL MPTIIAQGIP CVGVASNAEA RAVRESGFKG ELIRVRSASL SEMSSALDLN IEELIGTHQQ ALDLAELAKQ SGKTLKVHIA LNDGGMGRNG IDMTTEAGKK EAVSIATQPS LSVVGIMTHF PNYNADEVRA KLAQFKESST WLMQQANLKR EEITLHVANS YTALNVPEAQ LDMVRPGGVL FGDLPTNPEY PSIVSFKTRV SSLHHLPKDS TVGYDSTFTT SRDSVLANLP VGYSDGYPRK MGNKAEVLIN GQRAKVVGVT SMNTTVVDVT EIKGVLPGQE VVLFGQQQKQ SIAVSEMENN AELIFPELYT LWGTSNPRFY VK
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	42,498 Da
Sequence Positions	1-392, Full length
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 Q9KSE5
Species	Vibrio cholerae serotype O1 (strain 39315 / El Tor Inaba N16961)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for alr2 recombinant protein	MBS1484431 is a recombinant protein targeting alr2. Also known as Recombinant Vibrio cholerae serotype O1 Alanine racemase 2 (alr2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of alr2 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 alr2. It may not necessarily be applicable to this product.

NCBI GI #	20137517
NCBI Accession #	Q9KSE5.2
UniProt Primary Accession #	Q9KSE5
NCBI Official Full Name	Alanine racemase 2

UniProt Protein Name	Alanine racemase 2
Protein Family	Alanine racemase
UniProt Gene Name	alr2
UniProt Comments for alr2	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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