Alanine Racemase (alr) Geobacter Sulfurreducens Recombinant Protein

PRODUCT OVERVIEW

Product Name	Alanine racemase (alr), Recombinant Protein
Full Product Name	Recombinant Geobacter sulfurreducens Alanine racemase (alr)
Product Gene Name	alr recombinant protein
Product Synonym Gene Name	alr
Sequence	MDSRPTIAEV DLAALRHNYD LVVRTIPRGC GILAVVKADA YGHGFMDIAR ELETLGVTAF GVAFLAEGIQ LRKSGIDRPV LILGGVYPGQ ERKCVGFNLS TALFSLEQAR VLDDAAGRLY RRARVHAKID TGMGRLGIPH EEASAFFSAL RELKHLDLEG IISHFASADE LDEDGRRYSD LQASRFAAAV AAARHEGFEP RYVHIANSAA AFGMDLPFCN LVRPGIVLYG ALPSGDFEGK MALKPIMRLR SSIAMLKWVE PGTSISYARR FTAPDRRLVA SIPVGYADGY SRSLTNRGEV VVRGRRAPVV GTVCMDWIMA DVTHVSGVTV GDEVTLLGCD QEGNCVRAEE LAEWAGTIPY EIFCGISKRV PRVYLNPSIR HR
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	41,775 Da
Sequence Positions	1-382, 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 Q74FK2
Species	Geobacter sulfurreducens (strain 51573 / DSM 12127 / PCA)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for alr recombinant protein	MBS1379638 is a recombinant protein targeting alr. Also known as Recombinant Geobacter sulfurreducens Alanine racemase (alr). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of alr 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 alr. It may not necessarily be applicable to this product.

NCBI GI #	39995713
NCBI GeneID	2685372
NCBI Accession #	NP_951664.1
UniProt Primary Accession #	Q74FK2

UniProt Related Accession #	Q74FK2
GenBank Nucleotide #	NC_002939.5
NCBI Official Full Name	alanine racemase
NCBI Official Symbol	alr
UniProt Protein Name	Alanine racemase
Protein Family	Alanine racemase
UniProt Gene Name	alr
NCBI Protein Information	alanine racemase
UniProt Comments for alr	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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