Phosphoserine Aminotransferase (serC) Escherichia Coli Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phosphoserine aminotransferase (serC), Recombinant Protein
Full Product Name	Recombinant Escherichia coli Phosphoserine aminotransferase (serC)
Product Gene Name	serC recombinant protein
Sequence	MAQIFNFSSG PAMLPAEVLK QAQQELRDWN GLGTSVMEVS HRGKEFIQVA EEAEKDFRDL LNVPSNYKVL FCHGGGRGQF AAVPLNILGD KTTADYVDAG YWAASAIKEA KKYCTPNVFD AKVTVDGLRA VKPMREWQLS DNAAYMHYCP NETIDGIAID ETPDFGKDVV VAADFSSTIL SRPIDVSRYG VIYAGAQKNI GPAGLTIVIV REDLLGKANI ACPSILDYSI LNDNGSMFNT PPTFAWYLSG LVFKWLKANG GVAEMDKINQ QKAELLYGVI DNSDFYRNDV AKANRSRMNV PFQLADSALD KLFLEESFAA GLHALKGHRV VGGMRASIYN AMPLEGVKAL TDFMVEFERR HG
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	39,840 Da
Sequence Positions	1-362, 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 B1LJV7
Species	Escherichia coli (strain SMS-3-5 / SECEC)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for serC recombinant protein	MBS1233335 is a recombinant protein targeting serC. Also known as Recombinant Escherichia coli Phosphoserine aminotransferase (serC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of serC 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 serC. It may not necessarily be applicable to this product.

NCBI GI #	445979294
NCBI Accession #	WP_000057149.1
UniProt Primary Accession #	B1LJV7
GenBank Nucleotide #	WP_000057149.1
NCBI Official Full Name	MULTISPECIES: 3-phosphoserine/phosphohydroxythreonine aminotransferase

UniProt Protein Name	Phosphoserine aminotransferase
UniProt Synonym Protein Names	Phosphohydroxythreonine aminotransferase
Protein Family	Phosphoserine aminotransferase
UniProt Gene Name	serC
UniProt Synonym Gene Names	PSAT
UniProt Comments for serC	Catalyzes the reversible conversion of 3-phosphohydroxypyruvate to phosphoserine and of 3-hydroxy-2-oxo-4-phosphonooxybutanoate to phosphohydroxythreonine.
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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