Phosphoserine Aminotransferase (serC) Rhodoferax Ferrireducens Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phosphoserine aminotransferase (serC), Recombinant Protein
Full Product Name	Recombinant Rhodoferax ferrireducens Phosphoserine aminotransferase (serC)
Product Gene Name	serC recombinant protein
Product Synonym Gene Name	serC
Sequence	MNRPYNFSAG PAAMPQEVLT EAAAEMLDWH GSGMSVMEMS HRGREFVSIY EQAHLDLREL LAVPDSFKIL FMQGGGLAEN AIVPLNLSAR VSPAGAAGSA DFVVTGGWSL KSQQEARKYC TVNIAASNES DGHTTLPGPA SWQLSHGASY VHICSNETIH GVEYHTLPDL QALGSEAALV VDCSSHVASR PIDWSRVGLA FAGAQKNLGP AGLTLVVVRE DLLGHALAVC PSAFNYKTVA DNQSMFNTPP TYAIYIAGLV FQWLKRQGGI AAMEARNQAK AALLYDAIDN SQLYYNKVAP NCRSRMNVPF FLRDESLNDA FLAGAREHGL LQLKGHKSVG GMRASIYNAM PMEGVQALVN YLHEFQKRRS
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	40,113 Da
Sequence Positions	1-370, 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 Q21Y51
Species	Rhodoferax ferrireducens (strain DSM 15236 / BAA-621 / T118)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for serC recombinant protein	MBS1335833 is a recombinant protein targeting serC. Also known as Recombinant Rhodoferax ferrireducens 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 #	499783136
NCBI Accession #	WP_011463870.1
UniProt Primary Accession #	Q21Y51
GenBank Nucleotide #	WP_011463870.1

NCBI Official Full Name	phosphoserine 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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