Vitamin B6 Transporter Bsu1 (bsu1) Schizosaccharomyces Pombe Recombinant Protein

PRODUCT OVERVIEW

Product Name	Vitamin B6 transporter bsu1 (bsu1), Recombinant Protein
Full Product Name	Recombinant Schizosaccharomyces pombe Vitamin B6 transporter bsu1 (bsu1), partial
Product Gene Name	bsu1 recombinant protein
Sequence	MASKIASLFS PSETASKDQH ENVAEDLELG TASSQSDGIH ETNSEYDEKK REESPEVIDI SNLISSDHPA HPQNWHWAKR WSIVFMFCLM QIYVIWTSNG FGSIEYSVMA QFNVSAQVAT LCLSMNILGS GLGPMFLGPL SDIGGRKPVY FCSIFVYTVF NISCALPRNI VQMIISHFII GVAGSTALTN VAGGIPDLFP EDTAGVPMSL FVWACAGGAI GAPMATGVDI NAKYGWRWLY YINIIVGGFF LIVILIIPET LPIKVITRYE NAKGRIVEGI PKNNLKEVLK KCKFVTTMGF RMMLTEPIIL SMGLYNFYAY GISYFFLTAI WPVFYDTYKM SEMGASCTYL SGFVASTLLF LYQPIQDWIF RRDKAKNNGV ARPEARFTSA LFITLLFPAG MFLFAFTCHP PFPWMSPIVG NSMVTVANGH NWMCILNYLT DSYPLLSGSA VAAFTLPSFI GATVFAHVSQ IMFNNMSVKW AVATMAFISI SIPFIIYTFY FFGQRIRALS SLTGNKALKY LPLENN
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	58,484 Da
Sequence Positions	1-526
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 P33532
Species	Schizosaccharomyces pombe (strain 972 / 24843) (Fission yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for bsu1 recombinant protein	MBS1163018 is a recombinant protein targeting bsu1. Also known as Recombinant Schizosaccharomyces pombe Vitamin B6 transporter bsu1 (bsu1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of bsu1 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 bsu1. It may not necessarily be applicable to this product.

NCBI GI #	162312488
NCBI GeneID	3361460
NCBI Accession #	XP_001713084.1
UniProt Primary Accession #	P33532

UniProt Secondary Accession #	O13866
GenBank Nucleotide #	XM_001713032.2
NCBI Official Symbol	bsu1
UniProt Protein Name	Vitamin B6 transporter bsu1
UniProt Synonym Protein Names	Amiloride transporter car1; Changed amiloride resistance protein 1; Vitamin B6 uptake protein 1
Protein Family	Serine/threonine-protein phosphatase
UniProt Gene Name	bsu1
UniProt Synonym Gene Names	car1; sod1
NCBI Protein Information	high-affinity import carrier for pyridoxine, pyridoxal, and pyridoxamine Bsu1
UniProt Comments for bsu1	Thiamine-regulated, high affinity import carrier of pyridoxine, pyridoxal and pyridoxamine. Also imports, but does not export, amiloride and so confers sensitivity.
Research Articles on bsu1	**1.** Bsu1p (aka Car1p) represents a new high-affinity, plasma membrane-localized import carrier for pyridoxine, pyridoxal, and pyridoxamine. [bsu1]
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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