Blood Vessel Epicardial Substance (bves) Xenopus Tropicalis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Blood vessel epicardial substance (bves), Recombinant Protein
Full Product Name	Recombinant Xenopus tropicalis Blood vessel epicardial substance (bves)
Product Gene Name	bves recombinant protein
Product Synonym Gene Name	bves; pop1, popdc1
Product Synonym Names	Recombinant Blood vessel epicardial substance (bves); Blood vessel epicardial substance; Popeye domain-containing protein 1; Popeye protein 1
Sequence	MATESILITT LPMDLNSQIN NVTFGLNENE TLCENWREIH HLVFHLANTC FAAGLVIPST LNLHMILLRG MLCLGCIFFI IWAILFRCAL DIMIWNATFL SMNFMHFIYL VYKKRPIKIE KDLKGIYHRM FEPLHVSPEL FNRLTGQFCE IKTLAKGQTY AIEDKTSVDD RLSILLKGIM KVSYRGHFLH AISPNAYIDS PEFRSTEMNR GETFQVTITA DDNCVFLCWS RERLTYFLES EPFLYEIFKY LIGKDITTKL YSLNDPTLGK KKKLDTQPSL CSQLSVMEMR NSLASTSDNE DGLQTFLRGT STTSSQRNNQ QEFCNAYGVG PLSHAVFC
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 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	38,805 Da
Sequence Positions	1-338
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.
Chromosome Location	chromosome: Un
3D Structure	ModBase 3D Structure for B1H1G2
Species	Xenopus tropicalis (Western clawed frog) (Silurana tropicalis)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for bves recombinant protein	MBS1250673 is a recombinant protein targeting bves. Also known as Recombinant Xenopus tropicalis Blood vessel epicardial substance (bves). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of bves 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 bves. It may not necessarily be applicable to this product.

NCBI GI #	183986597
NCBI GeneID	100144641
NCBI Accession #	NP_001116888.1

UniProt Primary Accession #	B1H1G2
UniProt Related Accession #	B1H1G2
GenBank Nucleotide #	NM_001123416.1
NCBI Official Full Name	blood vessel epicardial substance
NCBI Official Synonym Full Names	blood vessel epicardial substance
NCBI Official Symbol	bves
NCBI Official Synonym Symbols	pop1; Xbves; hbves; popdc1
UniProt Protein Name	Blood vessel epicardial substance
UniProt Synonym Protein Names	Popeye domain-containing protein 1
Protein Family	Blood vessel epicardial substance
UniProt Gene Name	bves
UniProt Synonym Gene Names	pop1; popdc1; Popeye protein 1
UniProt Entry Name	POPD1_XENTR
NCBI Protein Information	blood vessel epicardial substance; Popeye protein 1; Popeye domain-containing protein 1
UniProt Comments for bves	Function: Cell adhesion molecule involved in the establishment and/or maintenance of cell integrity. May play a role in vamp3-mediated vesicular transport and recycling of different receptor molecules. May be involved in the formation and regulation of the tight junction (TJ) paracellular permeability barrier in epithelial cells. May induce primordial adhesive contact and aggregation of epithelial cells in a Ca2+-independent manner. May be involved in epithelial movement during corneal sheet formation and regeneration. May play a role in the regulation of cell shape and movement by modulating the Rho-GTPase activity. May also be involved in striated muscle regeneration and in the regulation of cell spreading By similarity. Subcellular location: Lateral cell membrane By similarity. Cell junction › tight junction By similarity. Membrane; Multi-pass membrane protein Potential. Note: Detected at points of cell-cell contact in confluent epithelial sheets. Colocalizes with components of the adherens and tight junctions By similarity. Sequence similarities: Belongs to the popeye family.
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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