Virginiamycin B Lyase (vgb) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Virginiamycin B lyase (vgb), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Virginiamycin B lyase (vgb)
Product Gene Name	vgb recombinant protein
Sequence	MEFKLQELNL TNQDTGPYGI TVSDKGKVWI TQHKANMISC INLDGKITEY PLPTPDAKVM CLTISSDGEV WFTENAANKI GRITKKGIIK EYTLPNPDSA PYGITEGPNG DIWFTEMNGN RIGRITDDGK IREYELPNKG SYPSFITLGS DNALWFTENQ NNAIGRITES GDITEFKIPT PASGPVGITK GNDDALWFVE IIGNKIGRIT PLGEITEFKI PTPNARPHAI TAGAGIDLWF TEWGANKIGR LTSNNIIEEY PIQIKSGEPH GICFDGETIW FAMECDKIGK LTLIKDNME
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	33,058 Da
Sequence Positions	1-299, 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 P17978
Species	Staphylococcus aureus
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for vgb recombinant protein	MBS1228109 is a recombinant protein targeting vgb. Also known as Recombinant Staphylococcus aureus Virginiamycin B lyase (vgb). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of vgb 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 vgb. It may not necessarily be applicable to this product.

NCBI GI #	695262677
NCBI Accession #	WP_032489636.1
UniProt Primary Accession #	P17978
UniProt Secondary Accession #	Q53744
GenBank Nucleotide #	WP_032489636.1
NCBI Official Full Name	streptogramin B lyase Vgb(A)

UniProt Protein Name	Virginiamycin B lyase
UniProt Synonym Protein Names	Streptogramin B lyase
Protein Family	Virginiamycin B lyase
UniProt Gene Name	vgb
UniProt Synonym Gene Names	vgh
UniProt Comments for vgb	Inactivates the type B streptogramin antibiotics by linearizing the lactone ring at the ester linkage, generating a free phenylglycine carboxylate and converting the threonyl moiety into 2-amino-butenoic acid.
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