Virginiamycin B Lyase (vgb) Mycobacterium Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Virginiamycin B lyase (vgb), Recombinant Protein
Full Product Name	Recombinant Mycobacterium sp. Virginiamycin B lyase (vgb)
Product Gene Name	vgb recombinant protein
Product Synonym Gene Name	vgb
Sequence	MSLIREIAGG PYALAAGPDG AMWVTLVHDG AIARVGADGA VDRFPVADGS RPSLISAGPD GALWFTRNGD DRIGRLTTAG ELTEFPLSEG SAPFGICAGA DGALWFTEMG SGGIGRITVD GQTSGWASVG GTPSMITRGP DDAVWFTLNQ GNAIGRLHPR DGVTMRELPT RGAGPVGITA THDDAIWFTE ILADKLGRIP LDGALQEIDL PGKPHAVVAD PSGGVWVSLW GADRLARVSA DGDIETFDLP PGSEPHGLAF GPDGGLWVAL ESGFVLRMPD
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	28,958 Da
Sequence Positions	1-280, 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 Q1B571
Species	Mycobacterium sp. (strain MCS)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for vgb recombinant protein	MBS1417150 is a recombinant protein targeting vgb. Also known as Recombinant Mycobacterium sp. 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 #	499880504
NCBI Accession #	WP_011561238.1
UniProt Primary Accession #	Q1B571
GenBank Nucleotide #	WP_011561238.1
NCBI Official Full Name	MULTISPECIES: virginiamycin B lyase

UniProt Protein Name	Virginiamycin B lyase
UniProt Synonym Protein Names	Streptogramin B lyase
Protein Family	Virginiamycin B lyase
UniProt Gene Name	vgb
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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