Variable Large Protein 21 (vlp21) Borrelia Hermsii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Variable large protein 21 (vlp21), Recombinant Protein
Full Product Name	Recombinant Borrelia hermsii Variable large protein 21 (vlp21)
Product Gene Name	vlp21 recombinant protein
Sequence	CGQQPEAGKT GAAGGEKQGA GSLSEVLMEV GKSAENAFYS FLELVSDTLG FTAKSTTKKE DVGGYFNSLG GKLGEASNEL EQVAKNSEAG IEKNDASKNP IRSAVNAAKK TLEALKGYLD SLGTVGDSNP VGWASNNAQG AAVDEAELKK AYKALKGIMD TAEGAGVARP EVGNIAVKVG NGTDNKDGAK ILATDGAAAV GDAGKAAAIL TTVSGKEMLA SIVNSTEDKA VKITGNVTVE TTPLEFAVGG NGAHLSQNAN SKAAAVAGGI ALRSLVKGGK LAADNNDDDK ASQGVGITAA NKLLVAVEDI IKKTVKNVLE KAKGEIDKAR DPKPAGQQ
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	37,084 Da
Sequence Positions	27-364, 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 P21875
Species	Borrelia hermsii
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for vlp21 recombinant protein	MBS1228335 is a recombinant protein targeting vlp21. Also known as Recombinant Borrelia hermsii Variable large protein 21 (vlp21). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of vlp21 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 vlp21. It may not necessarily be applicable to this product.

NCBI GI #	138718
NCBI Accession #	P21875.1
UniProt Primary Accession #	P21875
NCBI Official Full Name	Variable large protein 21
UniProt Protein Name	Variable large protein 21
UniProt Synonym Protein Names	Variable major outer membrane lipoprotein 21

Protein Family	Variable large protein
UniProt Gene Name	vlp21
UniProt Comments for vlp21	The Vlp and Vsp proteins are antigenically distinct proteins, only one vlp or vsp gene is transcriptionally active at any one time. Switching between these genes is a mechanism of host immune response evasion.
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