

VlsE1 Recombinant Protein | vlsE recombinant protein

Recombinant Borrelia Garinii VlsE1

CATALOG # AAA39074	HOST Escherichia Coli
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PRODUCT SYNONYMS

VlsE1; Recombinant Borrelia Garinii VlsE1; Borrelia OspA; Borrelia Burgdorferi Outer Surface Protein A Recombinant; Borrelia Garinii VlsE1; vlsE recombinant protein

PRODUCT SPECIFICATIONS

Host	Escherichia Coli
Purity/Purification	Greater than 80.0% as determined by SDS-PAGE.
Form/Format	Borrelia OspA (1.02 mg/mL) is supplied in 20 mM HEPES buffer pH 8.0, 200mM NaCl and 20% Glycerol.
Sequence Length	356
Physical Appearance	Sterile filtered clear solution.
Preparation and Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for vlsE recombinant protein	Description: Recombinant Borrelia Burgdorferi OspA produced in E Coli is a non-glycosylated, full-length polypeptide chain having a calculated molecular mass of 28,577 Dalton. Borrelia OspA is expressed with a -6x His tag at N-terminus and purified by proprietary chromatographic techniques. Introduction: Borrelia belongs to a genus of bacteria of the spirochete phylum. Borrelia causes borreliosis, which is a zoonotic, vector-borne disease transmitted mainly by ticks and some by lice, depending on the species. Of the 36 known species of Borrelia, 12 are distinguished to cause Lyme disease or borreliosis and are transmitted by ticks. The main Borrelia species causing Lyme disease are Borrelia burgdorferi, Borrelia afzelii, and Borrelia garinii. The Borrelia genus members have a linear chromosome which is about 900 kbp in length as well as an excess of both linear and circular plasmids in the 5-220 kbp size range. The plasmids are atypical, as compared to most bacterial plasmids, since they contain many paralogous sequences, a large number of pseudogenes and, in some cases, essential genes. Moreover, a number of the plasmids have features suggesting that they are prophages.
Product Categories/Family for vlsE recombinant protein	Viral Antigens; BORRELIA PROTEIN; Viral Antigens; Borrelia

NCBI AND UNIPROT INFORMATION

NCBI GI #	2483796
NCBI Official Full Name	VlsE1
UniProt Protein Name	VlsE1
UniProt Gene Name	vlsE
UniProt Entry Name	O06878_BORBG

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

