

Recombinant *B. burgdorferi* VlsE Protein, MBP-tagged

Cat. No. VlsE-13B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant VlsE is a fusion protein with an MBP tag and was expressed in <i>E. coli</i> .
Species	<i>Borrelia burgdorferi</i> B31
Source	<i>E. coli</i>
Description	Many parasites have evolved antigenic variation systems that alter their surface proteins in order to evade recognition by an immune response and subsequent death. Variable Lipoprotein Surface-Exposed protein (VlsE) is a lipoprotein located on the surface of the Lyme Disease spirochete, <i>Borrelia burgdorferi</i>, which is detectable throughout its life stages and is believed to be involved in host immune evasion. Strain B31 is the type strain (ATCC 35210) for this organism and was derived by limited dilutional cloning from the original Lyme-disease tick isolate obtained by A. Barbour.
Form	Liquid, 0.2 µm filter sterilised.
Molecular Mass	Expected Molecular Weight: ~78 kDa Observed Molecular Weight: ~78 kDa
Purity	> 90%
Storage	Short Term Storage: ≤ -20 centigrade Long Term Storage: -80 centigrade General Storage Conditions: Centrifuge product if not completely clear after standing

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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at room temperature. Dilute only prior to immediate use.
Freezing: Can be frozen, but avoid multiple freeze-thaw cycles

Storage Buffer

In 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 and 0.01% (w/v) Sodium Azide.

GENE INFORMATION
Official Symbol

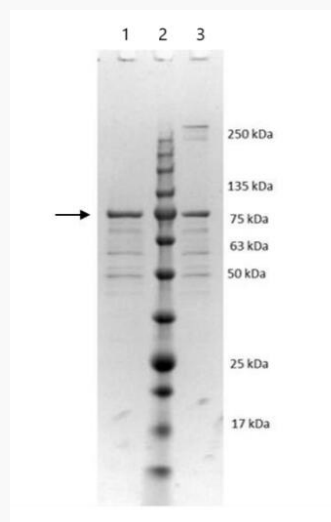
VlsE

Synonyms

BbuJD1_F36

Protein Refseq

CAH61549

SDS-Page of recombinant VlsE protein


Lane 1: VlsE-MBP reduced

Lane 2: Molecular Weight Marker

Lane 3: VlsE-MBP non-reduced

Expected MW for VlsE-MBP is ~78 kDa as indicated by the arrow (~36 kDa for VlsE)

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and ~42 kDa for MBP).