

Borrelia Bavariensis VlsE1

Borrelia Bavariensis VlsE1 Recombinant
VAG0013

Product Overview

Name Borrelia Bavariensis VlsE1

Description

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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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

Borrelia Bavarriensis 58 is supplied in 20mM HEPES buffer pH-7.6, 250mM NaCl and 20% glycerol.

Stability

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.

Purity

Greater than 80.0% as determined by SDS-PAGE.

Applications

Western blot with Patient sample.

Immunological functions

1. Binds IgG- and IgM-type human antibodies. 2. Immunodot test with Lyme disease positive/negative plasma; suitable for LTT (lymphocyte transformation test).

Precautions

Borrelia Bavariensis VlsE1 is for research use only and not for use in diagnostic or therapeutic procedures.