
Product Data Sheet

Product Name: Borrelia Spielmanii DbpA
Cat. No.: GP25191
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Formulation	Borrelia Spielmanii DbpA is supplied in 20mM HEPES buffer pH-7.6, 250mM NaCl and 20% glycerol.		

Introduction

Borrelia is a part of the genus of bacteria of the spirochete phylum. Borrelia causes borreliosis, which is a zoonotic, vector-borne disease transmitted mostly 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 Gram-negative bacterium Borrelia spielmanii is one of the pathogens of the Borrelia burgdorferi sensu lato complex causing Lyme disease. DbpA, also known as p17 or Osp17, is a heterogeneous protein among the human pathogenic B. burgdorferi sensu lato species.

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.

Background

Recombinant Borrelia Spielmanii Decorin Binding Protein A produced in E.coli is a non-glycosylated, polypeptide chain having a calculated molecular mass of 17kDa. Borrelia Spielmanii DbpA is expressed with a -10x His tag at N-terminus and purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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