
Product Data Sheet

Product Name: Borrelia p28
Cat. No.: GP26425
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	withIcePacks
Formulation	Borrelia p28 is supplied in 20mM HEPES buffer pH-7.5, 400mM 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 Borreliella spielmanii is one of the pathogens of the Borreliella 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

Borrelia Burgdorferi p28 Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain having a molecular mass of 27kDa. Borrelia p28 is expressed with a 10xHis tag and purified by proprietary chromatographic techniques.

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

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