
Product Data Sheet

Product Name: Borrelia Bavariensis DbpA
Cat. No.: GP25200
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Decorin binding protein A; dbpA.		
Formulation	Borrelia Bavariensis DbpA is supplied in 20mM HEPES buffer pH-7.6, 250mM NaCl and 20% glycerol.		

Introduction

Borrelia is a part of 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. Borrelia bavariensis is one of the pathogens of the Borrelia burgdorferi sensu lato complex which causes Lyme disease. Decorin binding protein A (DbpA), also known as Osp17 or p17 is expressed during the mammalian phase of infection. DbpA binds the pathogen to host collagen-associated proteoglycan decorin.

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 Bavariensis DbpA produced in E.coli is a non-glycosylated, polypeptide chain having a calculated molecular mass of 18kDa. Borrelia Bavariensis 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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