

32-13567: *Borrelia Spielmanii* DbpA

Alternative Name :

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.

Description

Source: *Escherichia Coli*.

Sterile Filtered clear solution.

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.

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.

Product Info

Amount : 5 µg / 20 µg

Purification : Greater than 80.0% as determined by SDS-PAGE.

Content : *Borrelia Spielmanii* DbpA is supplied in 20mM HEPES buffer pH-7.6, 250mM NaCl and 20% glycerol.

Storage condition : 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.