

32-5378: Recombinant *Borrelia Burgdorferi* Decorin Binding Protein A

Description

Source : *Escherichia Coli*. Recombinant *Borrelia Burgdorferi* Decorin Binding Protein A produced in *E.coli* is a non-glycosylated, polypeptide chain having a calculated molecular mass of 19,916 Dalton. *Borrelia* DbpA is expressed with a -6x His tag at N-terminus and purified by proprietary chromatographic techniques. *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.

Product Info

Amount :	20 µg
Purification :	Greater than 80.0% as determined by SDS-PAGE.
Content :	<i>Borrelia</i> DbpA (0.2mg/1ml) is supplied in 20mM HEPES buffer pH-8.0 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.

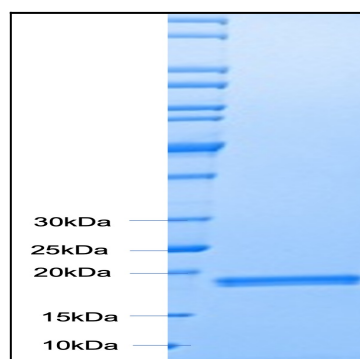


Fig.1: Coomassie Staining of Recombinant *Borrelia Burgdorferi* Decorin Binding Protein A (Cat# 32-5378). approximately 2ug was loaded per well.