Recombinant Borrelia Afzelii BADBPA protein, His-tagged

Cat. No. BADBPA-2B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Borrelia Afzelii Decorin Binding Protein A produced in E.coli is a non-glycosylated, polypeptide chain having a calculated molecular mass of 17,475kDa. Borrelia Afzelii DbpA is expressed with a -6x His tag at N-terminus and purified by proprietary chromatographic techniques.
Species	Borrelia Afzelii
Source	E.coli
Description	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.
Form	Sterile Filtered clear solution. Borrelia Afzelii DbpA is supplied in 20mM HEPES buffer pH-7.6, 250mM NaCl and 20% glycerol.

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Molecular Mass	17.475kDa
Purity	Greater than 80.0% as determined by SDS-PAGE.
Applications	Western blot with Lyme positive plasma.
Usage	The products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.
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.
Shipping	Ice Packs

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