

## Recombinant *Borrelia Burgdorferi* napA protein, His-tagged

### SPECIFICATION

<b>Cat.No.</b>	napA-13B
<b>Species</b>	<i>Borrelia Burgdorferi</i>
<b>Product Name</b>	Recombinant <i>Borrelia Burgdorferi</i> napA protein, His-tagged
<b>Product Overview</b>	Recombinant <i>Borrelia Burgdorferi</i> NapA produced in <i>E.coli</i> is a non-glycosylated, full-length polypeptide chain having a calculated molecular mass of 22,094kDa. <i>Borrelia</i> NapA is expressed with a -6x His tag at N-terminus and purified by proprietary chromatographic techniques.
<b>Description</b>	<i>Borrelia</i> belongs to a genus of bacteria of the spirochete phylum. <i>Borrelia</i> 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 <i>Borrelia</i> , 12 are distinguished to cause Lyme disease or borreliosis and are transmitted by ticks. The main <i>Borrelia</i> species causing Lyme disease are <i>Borrelia burgdorferi</i> , <i>Borrelia afzelii</i> , and <i>Borrelia garinii</i> . The <i>Borrelia</i> 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.
<b>Source</b>	<i>E. coli</i>
<b>Tag</b>	His
<b>Form</b>	Sterile Filtered clear solution. <i>Borrelia</i> NapA is supplied in 20mM HEPES buffer pH-7.6, 250mM NaCl and 20% glycerol.
<b>Molecular Mass</b>	22.094kDa
<b>Purity</b>	Greater than 80.0% as determined by SDS-PAGE.
<b>Usage</b>	The products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or

## Recombinant *Borrelia Burgdorferi* napA protein, His-tagged

household chemicals.

<b>Stability</b>	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.
<b>Shipping</b>	Ice Packs
<b>Gene Name</b>	<a href="#">napA neutrophil activating protein A (napA) [ <i>Borrelia burgdorferi</i> B31 ]</a>
<b>Official Symbol</b>	<a href="#">napA</a>
<b>Synonyms</b>	napA; neutrophil activating protein A
<b>Gene ID</b>	<a href="#">1195543</a>
<b>Protein Refseq</b>	<a href="#">NP_212824.2</a>
<b>UniProt ID</b>	<a href="#">O51633</a>