

Product datasheet for **AR00020PU-N**

Borrelia burgdorferi OspC Spirochetes Protein

Product data:

Product Type:	Recombinant Proteins
Description:	<i>Borrelia burgdorferi</i> OspC recombinant protein, 0.1 mg
Species:	Spirochetes
Expression Host:	<i>E. coli</i>
Concentration:	lot specific
Purity:	>95% pure by SDS-PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl, pH 7.5 containing 10 mM beta-mercaptoethanol Preservative: None
Preparation:	Liquid purified protein
Applications:	ELISA. Lateral Flow.
Protein Description:	Recombinant <i>Borrelia burgdorferi</i> (Lyme) Osp-C. Contains multiple copies of the Osp-C sequence. Contains a 6-His epitope tag. Total Molecular Weight is 85 kDa. Reacts with Human <i>Borrelia burgdorferi</i> positive serum.
Note:	Centrifuge before opening to ensure complete recovery of vial contents.
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.



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Summary:

Borrelia burgdorferi is a spirochete and the cause of Lyme disease, a tick transmitted illness of humans and animals. *B. burgdorferi* may persist in humans and animals for months or years following initial infection, despite a robust humoral immune response.

B. burgdorferi resembles other spirochetes in that it is a highly specialized, motile, two-membrane, spiral shaped bacteria which lives primarily as an extracellular pathogen. *B. burgdorferi* has an unusual genome compared with other eubacteria which includes a linear chromosome approximately one megabase in size and numerous linear and circular plasmids.