

Product datasheet for BA1111

Borrelia burgdorferi OspA Borrelia burgdorferi Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Borrelia burgdorferi OspA borrelia burgdorferi recombinant protein, 0.1 mg
Species:	Borrelia burgdorferi
Expression Host:	E. coli
Concentration:	lot specific
Purity:	>95% pure by SDS-PAGE
Buffer:	Presentation State: Purified State: Liquid purified fraction Buffer System: 20 mM Tris-HCl, pH 7.5 containing 10 mM beta-mercaptoethanol Preservative: None
Preparation:	Liquid purified fraction
Applications:	ELISA. Lateral Flow.
Protein Description:	<i>Borrelia burgdorferi</i> (Lyme) Osp-A, 31 kDa, Recombinant. Contains multiple copies of the Osp-A sequence. Contains a 6-HIS epitope tag. Total molecular weight is 85 kDa. Reacts strongly with Human <i>Borrelia burgdorferi</i> positive serum.
Storage:	Store undiluted at 2-8°C for up to 2 months or (in aliquots) at -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Summary:	<i>Borrelia burgdorferi</i> is a spirochete and the cause of Lyme disease, a tick transmitted illness of humans and animals. <i>B. burgdorferi</i> may persist in humans and animals for months or years following initial infection, despite a robust humoral immune response. <i>B. burgdorferi</i> resembles other spirochetes in that it is a highly specialized, motile, two-membrane, spiral shaped bacteria which lives primarily as an extracellular pathogen. <i>B. burgdorferi</i> has an unusual genome compared with other eubacteria which includes a linear chromosome approximately one megabase in size and numerous linear and circular plasmids.



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