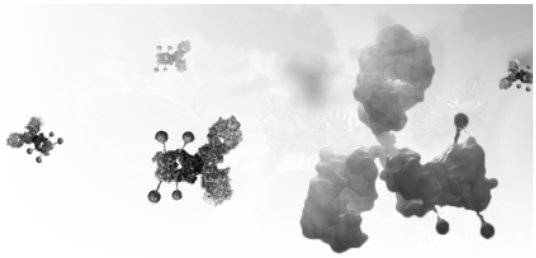

Recombinant B. burgdorferi OspC protein [His] (DAGA-2006)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	B. burgdorferi Osp-C Recomb. Borrelia burgdorferi Outer Surface Protein C (Osp-C) Recombinant Contains a His-tag in its N-Terminus. Molecular weight calculated from the amino acid sequence is 27.9 kDa.
Antigen Description	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. OspC is a major surface protein produced by B. burgdorferi when infected ticks feed but whose synthesis decreases after transmission to a mammalian host.During mammalian infection, ospC transcript is reduced and OspC protein disappears from the bacterial surface around 2 weeks after infection.Because of this synthesis pattern, OspC was speculated to be required for some aspect of transmission, either migration of the spirochetes from the tick midgut to salivary glands and into the mammal or establishing an infection in the mammal.
Species	B. burgdorferi
Purity	≥ 95% pure (SDS-PAGE).
Conjugate	His
Applications	Suitable for use in EIA and Western Blot. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Molecular Weight	27.9 kDa
Format	Purified, Liquid
Concentration	Batch dependent - please inquire should you have specific requirements

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Buffer	20 mM Phosphate Buffer, pH 7.0, 0.15 M Sodium Chloride.
Preservative	None
Storage	Store at -20°C to -80°C. Aliquot and freeze to avoid multiple/freeze thaw cycles.

BACKGROUND

Keywords	B. burgdorferi OspC;B burgdorferi;BB_B19;outer surface protein C Lyme disease;OspC;Osp-c;Spirochaetaceae;Borrelia

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