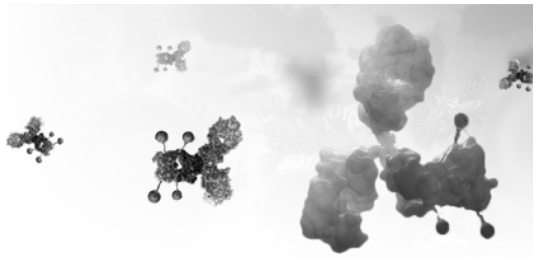

Recombinant B. burgdorferi OspC [His] (DAG574)

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

PRODUCT INFORMATION

Product Overview	Recombinant Borrelia burgdorferi Osp-C, contains multiple copies of the Osp-C sequence, contains a 6-His epitope tag. Total molecular weight is 85 kDa. It was expressed in E. coli. Reacts with human Borrelia burgdorferi positive serum.
Species	B. burgdorferi
Purity	> 95% as determined by SDS-PAGE
Conjugate	His
Applications	Specific methodologies have not been tested using this product.
Molecular Weight	85kDa
Format	Purified, Liquid
Concentration	1 mg/ml (Bradford method)
Size	100 µg
Buffer	20mM Tris-HCl, pH 7.5 containing 10mM beta-mercaptoethanol
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	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

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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.

Keywords B burgdorferi; Lyme disease; Osp-c; Spirochaetaceae; Borrelia

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