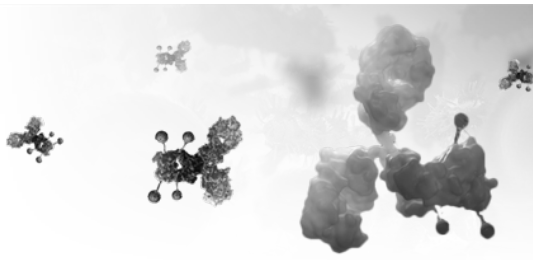

Recombinant B. burgdorferi P41 (DAG1354)

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

PRODUCT INFORMATION

Product Overview	Recombinant B. burgdorferi p41 protein containing the p41 immunodominant regions, 158-296 amino acids was expressed in E. coli and purified by proprietary chromatographic technique.
Species	B. burgdorferi
Purity	> 90% as determined by SDS-PAGE
Conjugate	His
Applications	Used as an antigen in ELISA and Western Blots.
Size	100 µg, 500 µg, 1 mg
Buffer	25mM glycine, pH 9.6 and 50% glycerol
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 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; Borrelia burgdorferi; p41; Flagelline B

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