



# Recombinant *Borrelia Burgdorferi* Sensu Stricto Flagellin p41 [GST] (DAG-WT321)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	Borrelia burgdorferi sensu stricto (N-terminus, amino acids 3 – 140). Protein is expressed with Glutathione S-Transferase in <i>E. coli</i> .
<b>Purity</b>	> 95% , as determined by SDS-PAGE
<b>Conjugate</b>	GST
<b>Applications</b>	ELISA/LF
<b>Molecular Weight</b>	41.2 kDa
<b>Format</b>	Liquid
<b>Concentration</b>	Batch dependent - please inquire should you have specific requirements
<b>Size</b>	1 mg
<b>Buffer</b>	PBS, pH 7.4
<b>Preservative</b>	None
<b>Storage</b>	Store at -80°C. Avoid multiple freeze/thaw cycles.

## BACKGROUND

<b>Introduction</b>	Borrelia burgdorferi are bacterial species of the spirochete class in the genus <i>Borrelia</i> , some of which cause Lyme borreliosis (also known as Lyme disease) in humans. The name <i>Borrelia burgdorferi</i> refers to two different concepts: <i>B. burgdorferi</i> sensu stricto is a specific bacterial genospecies and <i>B. burgdorferi</i> sensu lato is the species complex containing the etiological
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agents of Lyme disease. The complex currently comprises 20 accepted and 3 proposed genospecies. *B. burgdorferi* sensu stricto exists in North America and Eurasia and until 2016 was the only known cause of Lyme disease in North America (*Borrelia mayonii*, found in the midwestern US, and *B. bissettiae* are also known to cause the disease).

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**Keywords**

Borrelia burgdorferi; Outer Surface Protein C; Osp C

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