



# Recombinant *Borrelia burgdorferi* p58 (DAG-WT142)

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

## PRODUCT INFORMATION

|                            |  |
|----------------------------|--|
| <b>Antigen Description</b> | Recombinant <i>Borrelia burgdorferi</i> (strain B31) p58 protein. Full-length cDNA coding for <i>Borrelia burgdorferi</i> p58 fused to a deca-histidine purification tag |
| <b>Purity</b>              | >80% as determined by SDS-PAGE   |
| <b>Conjugate</b>           | His  |
| <b>Applications</b>        | Immunoassays   |
| <b>Molecular Weight</b>    | 60kDa  |
| <b>Format</b>              | Liquid   |
| <b>Size</b>                | 1 mg   |
| <b>Buffer</b>              | Neutral to slightly alkaline pH and 20% glycerol   |
| <b>Preservative</b>        | None   |
| <b>Storage</b>             | Store at -70°C or below. Avoid freeze / thaw cycles  |

## BACKGROUND

|                     |   |
|---------------------|---|
| <b>Introduction</b> | The Gram-negative bacterium <i>Borrelia burgdorferi</i> is one of the pathogens of the <i>Borrelia burgdorferi</i> sensu lato complex causing Lyme disease. Although the function of p58 is still widely elusive, the prediction of a functional domain usually found in periplasmic oligopeptide-binding proteins suggests a similar role in the transport of solutes across the cytoplasmic membrane. |
|---------------------|---|

**Keywords**

Borrelia burgdorferi; B. burgdorferi; p58; Lyme disease

---