

Building B Langford Locks Kidlington Oxfordshire OX5 1LH

Telephone: +44(0)1865 595230

## **Certificate of Analysis**

Name: Borrelia burgdorferi OspB recombinant protein, MBP-tag

**Product code:** REC31664-100

**Batch #:** R001218

**Description:** Recombinant *Borrelia burgdorferi* OspB protein (NCBI accession number

P17739.1) produced in *E. coli*. Analysis by SDS-PAGE resulted in a pattern consistent with purified OspB and was estimated to be greater than 90% pure. Protein contains a MBP-tag and is visible at 2.7 kDa for OspB-MBP (30.3 kDa for

OspB and 42.4 for MBP)

Amount:  $100\mu g$ 

**Protein conc.:** 1.04 mg/mL by UV absorbance at 280 nm

**Purity:** >90% pure (by SDS-PAGE)

**Presentation:** Liquid, 0.2µm filter sterilised.

**Buffer:** 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 and 0.01% (w/v)

Sodium Azide

**Usage guidelines** 

**Storage:** Short term:  $+2^{\circ}$ C to  $+8^{\circ}$ C

Long Term: -80°C

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VAT No: 102038475

**Stability:** At  $+4^{\circ}$ C: not determined

At -80°C: not determined

**Freezing:** Can be frozen, but avoid multiple freeze/thaw cycles

02 JANUARY 2019

OC Officer Date





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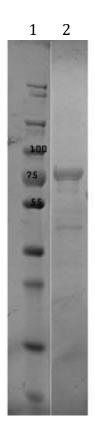
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SDS-PAGE of OspB Protein. Lane 1: Molecular Weight Marker. Lane 2: OspB Protein. Load: 10 µl at 1:2 dilution. Predicted/Observed size: 72.7 kDa fusion protein, 30.3 kDa for OspB, 42.4 kDa for MBP alone.

