

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: 100µg

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°C to +8°C
Long Term: -80°C

Stability: At +4°C: not determined
At -80°C: not determined

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



02 JANUARY 2019

QC Officer

Date



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