

Certificate of Analysis

Name: *Borrelia burgdorferi* ErpN/OspE recombinant protein, MBP-tag

Product code: REC31674-100

Batch #: R001218

Description: Recombinant *Borrelia burgdorferi* ErpN/OspE protein (NCBI accession number NP_051416.1) produced in *E. coli*. Protein contains a MBP-tag and is visible on SDS-PAGE at 59.5 kDa for OspE-MBP (17.1 kDa for OspE and 42.4 for MBP). Analysis by SDS-PAGE resulted in a pattern consistent with purified ErpN/OspE and was estimated to be greater than 90% pure.

Amount: 100µg

Protein conc.: 1.0 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

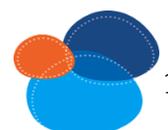
Freezing: Can be frozen, but avoid multiple freeze/thaw cycles



02 JANUARY 2019

QC Officer

Date



Certificate of Analysis

Name: *Borrelia burgdorferi* ErpN/OspE recombinant protein, MBP-tag
Product code: REC31674-100
Batch #: R001218



SDS-PAGE of OspE Protein. Lane 1: Molecular Weight Marker. Lane 2: OspE Protein. Load: 10 μ l at 1:4 dilution. Predicted/Observed size: 59.5 kDa fusion protein, 17.1 kDa for OspE, 42.4 kDa for MBP alone.