

Certificate of Analysis

Name: *Borrelia burgdorferi* P39 recombinant protein, MBP-tag

Product code: REC31667-100

Batch #: R001218

Description: Recombinant *Borrelia burgdorferi* P39 protein (NCBI accession number NP_212517.1) produced in *E. coli*. Protein contains a MBP-tag and is visible on SDS-PAGE at 77.8 kDa for p39-MBP (35.4 kDa for p39 and 42.4 kDa for MBP)

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

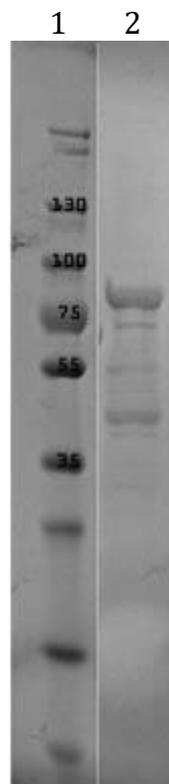
QC Officer

Date



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SDS-PAGE of P39 protein. Lane 1: Molecular Weight Marker. Lane 2: P39 protein. Load: 10 μ l at 1:2 dilution. Predicted/Observed size: 77.8 kDa fusion protein, 35.4 kDa for p39, 42.4 kDa for MBP alone.