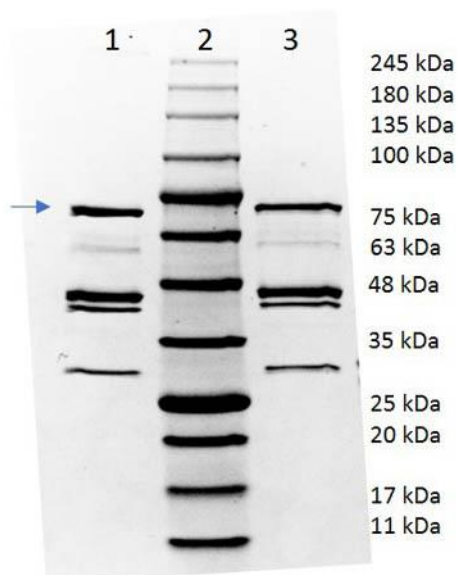


Certificate of Analysis

Name:	<i>Borrelia burgdorferi</i> OspA recombinant protein, MBP-tag
Product code:	REC31663-100
Batch #:	
Description:	Recombinant <i>Borrelia burgdorferi</i> OspA protein (NCBI accession number NP_045688.1) produced in <i>E. coli</i> . Protein contains a MBP-tag and is visible on SDS-PAGE at 70.5 kDa for OspA-MBP (28.1 kDa for OspA, 42.4 kDa for MBP alone kDa).
Amount:	100µg
Protein conc.:	1.04 mg/mL by UV absorbance at 280 nm
Purity:	Analysis by SDS-PAGE resulted in a pattern consistent with purified OspA.
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:	Store vial at -20°C prior to opening. Aliquot contents and freeze at -20°C or below for long term storage. Centrifuge product if not completely clear after standing at room temperature. Dilute only prior to immediate use.
Stability:	At +4°C: not determined At -80°C: not determined
Freezing:	Can be frozen, but avoid multiple freeze/thaw cycles

Certificate of Analysis

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SDS-PAGE of OspA protein. Lane 1: Non-Reduced OspA protein. Lane 2: Molecular Weight Marker. Lane 3: Reduced OspA protein. Load: 1µg. Predicted/Observed size: ~70.5 kDa fusion protein (arrowhead), ~42.4 kDa for MBP, ~28.1 kDa for OspA.