

Recombinant *B. burgdorferi* P35 Protein, MBP-tagged

Cat. No. P35-11B Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant <i>Borrelia burgdorferi</i> P35 protein produced in <i>E. coli</i> . Protein contains a MBP-tag and is visible on SDS-PAGE at 69.5 kDa for p35-MBP (27.1 kDa for p35 and 42.4 kDa for MBP)
Species	<i>Borrelia burgdorferi</i> B31
Source	<i>E. coli</i>
Description	P35 protein is produced by the spirochete <i>B. burgdorferi</i> , which is carried by Ixodes ticks. Strain B31 is the type strain for this organism and was derived by limited dilutional cloning from the original Lyme-disease tick isolate obtained by A. Barbour. The bba64 gene of <i>B. burgdorferi</i> encodes a surface-exposed 35-kDa antigen which has been shown to be a statistically significant marker in IgG immunoblots in a study of patients with early Lyme disease who presented with erythema migrans.
Form	Liquid, 0.2 µm filter sterilised.
Molecular Mass	69.5 kDa for p35-MBP (27.1 kDa for p35 and 42.4 kDa for MBP)
Purity	> 90%
Storage	Short term: +2 to +8 centigrade Long Term: -80 centigrade Can be frozen, but avoid multiple freeze/thaw cycles

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Concentration 1.0 mg/mL by UV absorbance at 280 nm

Storage Buffer 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 and 0.01% (w/v) Sodium Azide.

GENE INFORMATION

Gene Name BB_RS04380 hypothetical protein [*Borrelia burgdorferi* B31]

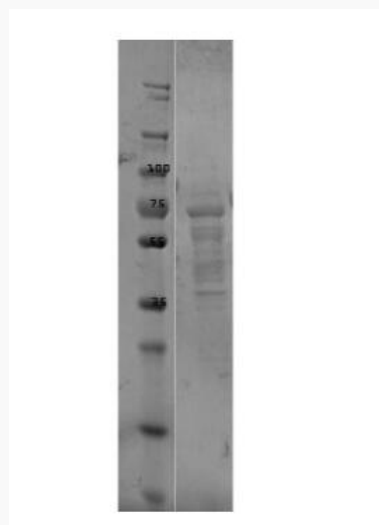
Official Symbol BB_RS04380

Synonyms BB_RS04380; hypothetical protein; hypothetical protein

Gene ID 1194146

Protein Refseq WP_010256558

SDS-PAGE of P35 Protein



Lane 1: Molecular Weight Marker.

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Lane 2: P35 Protein.

Load: 10 μ L.

Predicted/Observed size: 69.5 kDa fusion protein, 27.1 kDa for P35, 42.4 kDa for MBP alone.

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