

Outer Surface Protein C Recombinant Protein | ospC recombinant protein

Recombinant Borrelia Spielmanii Outer Surface Protein C

CATALOG # AAA38901	HOST E Coli	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

Outer Surface Protein C; Recombinant Borrelia Spielmanii Outer Surface Protein C; Borrelia Spielmanii OspC; Borrelia Spielmanii Outer Surface Protein C Recombinant; ospC recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	Borrelia Spielmanii OspC is supplied in 20mM HEPES buffer pH-8, 200mM NaCl and 20% glycerol.
Concentration	1.07mg/ml (varies by lot)
Sequence Length	203
Applicable Applications for ospC recombinant protein	WB (Western Blot)
Appearance	Sterile Filtered clear solution.
Immunological Functions	1. Binds IgG- and IgM-type human antibodies.2. Immunodot test with Lyme disease positive/negative plasma; suitable for LTT (lymphocyte transformation test).
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for ospC recombinant protein	Description: Recombinant Borrelia Spielmanii Outer Surface Protein C produced in E Coli is a non-glycosylated, polypeptide chain having a calculated molecular mass of 21,443 Dalton. Borrelia Spielmanii OspC is expressed with a -6x His tag at N-terminus and purified by proprietary chromatographic techniques. Introduction: Borrelia belongs to a genus of bacteria of the spirochete phylum. Borrelia causes borreliosis, which is a zoonotic, vector-borne disease transmitted mainly by ticks and some by lice, depending on the species. Of the 36 known species of Borrelia, 12 are distinguished to cause Lyme disease or borreliosis and are transmitted by ticks. The main Borrelia species causing Lyme disease are Borrelia burgdorferi, Borrelia afzelii, and Borrelia garinii. The Borrelia genus members have a linear chromosome which is about 900 kbp in length as well as an excess of both linear and circular plasmids in the 5-220 kbp size range. The plasmids are atypical, as compared to most bacterial plasmids, since they contain many paralogous sequences, a large number of pseudogenes and, in some cases, essential genes. Moreover, a number of the plasmids have features suggesting that they are prophages.
Product Categories/Family for ospC recombinant protein	Viral Antigens; BORRELIA PROTEIN; Viral Antigens; Borrelia

NCBI AND UNIPROT INFORMATION

NCBI GI #	14582370
Molecular Weight	21,622 Da
NCBI Official Full Name	outer surface protein C, partial

UniProt Protein Name	Outer surface protein C
UniProt Gene Name	ospC
UniProt Entry Name	Q93Q82_BORBG

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ospc-recombinant-protein-e-coli-wb-western-blot/38901>