



Recombinant *Borrelia burgdorferi* Outer surface protein A (ospA)

Product Code	CSB-EP363424BIO-B
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P0A3N6
Storage Buffer	Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Product Type	Recombinant Proteins
Immunogen Species	<i>Borrelia burgdorferi</i> (Lyme disease spirochete)
Purity	>85% (SDS-PAGE)
Sequence	CKQN VSSLDEKNSA SVDLPGEMKV LVSKEKDKDG KYSLKATV DK IELKGTSDKD NGSGVLEGTK DDKSKAKLTI ADDLSKTTFE LFKEDGKTLV SRKVSSKDKT STDEMFNEKG ELSAKTMTRE NGTKLEYTEM KSDGTGKAKE VLKNFTLEGK VANDKVTLEV KEGTVTLSKE IAKSGEVTVA LNDTNTTQAT KKTGAWDSKT STLTISVNSK KTTQLVFTKQ DTITVQKYDS AGTNLEGTAV EIKTLDELKN ALK
Source	E.coli
Target Names	ospA
Protein Names	Recommended name: Outer surface protein A
Expression Region	17-273
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.