



Recombinant *Borrelia burgdorferi* Outer surface 22 kDa lipoprotein (p22)

Product Code	CSB-EP316810BUD
Storage	The shelf life of liquid-form form is 6 months around at -20°C/-80°C. The shelf life of lyophilized form is 12 months around at -20°C/-80°C.
Uniprot No.	P0CL67
Product Type	Recombinant Protein
Immunogen Species	<i>Borrelia burgdorferi</i> (strain ATCC 35210 / B31 / CIP 102532 / DSM 4680)
Purity	≥85% (SDS-PAGE)
Sequence	CTSKDSSNE YVEEQEAENS SKPDDSKIDE HTIGHVFMAM GVVHSHKDRK SLGKNIKVFY FSEEDGHFQT IPSKENAKLI VYFYDNVYAG EAPISISGKE AFIFVGITPD FKKIINSLH GAKSDLIGTF KDLNIKNSKL EITVDENNSD AKTFLESVNY IIDGVEKISP MLTN
Source	E.coli
Target Names	p22
Protein Names	Recommended name: Outer surface 22 kDa lipoprotein Alternative name(s): Antigen IPLA7
Expression Region	22-194
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.