



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

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|--------------------------|---|
| Product Code | CSB-EP316810BUD-B |
| 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 HTIGHVFFHAM 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. |