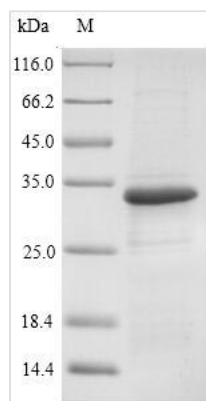




Recombinant Rickettsia japonica 17 kDa surface antigen (omp)

Product Code	CSB-EP706583RMU
Abbreviation	Recombinant Rickettsia japonica omp protein
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.	Q52764
Product Type	Recombinant Protein
Immunogen Species	Rickettsia japonica (strain ATCC VR-1363 / YH)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	CNGPGGMNKQGTGTLLGGAGGALLGSQFGKGTGQLVGVGVGALLGAVLGG QIGAGMDEQDRRLAELTSQRALETAPSGSNVEWRNPDNGNYGYVTPNKT NSTGQYCREYTQTVVIGGKQKAYGNACRQPDGQWQVVN
Research Area	Microbiology
Source	E.coli
Target Names	omp
Protein Names	Recommended name: 17 kDa surface antigen
Expression Region	20-159aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	30.5kDa
Protein Length	Full Length of Mature Protein

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Description

Dive deeper into your microbiological studies with our Recombinant Rickettsia japonica omp. This product encodes the 17 kDa surface antigen from the YH strain of Rickettsia japonica, produced meticulously in an E.coli system. From the 20th to the 159th amino acid, this protein parallels the complete length of the mature antigen, ensuring precise observations and results in your research.

This Rickettsia japonica omp protein is crafted with a N-terminal 6xHis-SUMO tag for uncomplicated purification and identification processes. With an impressive purity level of over 90%, as confirmed by SDS-PAGE, the integrity and quality of this product are assured. You have the flexibility to choose between a liquid or lyophilized powder form according to your laboratory requirements. Advance your research with our Recombinant Rickettsia japonica omp, designed for precision and reliability.

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.