

Recombinant Chlamydia pecorum Major outer membrane protein (ompA)

Catalog No: #AP70937

Package Size: #AP70937-1 20ug #AP70937-2 100ug #AP70937-3 1mg

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Description

Product Name	Recombinant Chlamydia pecorum Major outer membrane protein (ompA)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:24-374aaSequence Info:Full Length
Accession No.	T2DH55
Calculated MW	54.1 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	LPVGNPAEPSLLIDGTIWEGMSGDPCDPCATWCDAISLRVGFYGDYVFDRVLKTDVPQKFSMGQAPSTNSPA DSVSLQERENPAYGKMHDAEWFNAGYIALNIWDRFDVFTLGATSGYFKGNSSSFNLIIGLIGISGSDLNSK VPNASISNGVVELYDTTFSWSVGARGALWECGCATLGAEFQYAQSKPRVQELNVL SNVAQFTVHRPKGYY NQTLPLPITAGTATDSNEKLKNATINYHEWQVGAALSYRLNMLIPYIGVQWSRASFDADTIQIAQPKLASPVLM TTWNPTLLGEATSVNAGNKYADVLQIVSLQINKLKSRAKCGVSMGATLLDADKWAINGEL
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

In elementary bodies (EBs, the infectious stage, which is able to survive outside the host cell) provides the structural integrity of the outer envelope through disulfide cross-links with the small cysteine-rich protein and the large cysteine-rich periplasmic protein. It has been described in publications as the Sarkosyl-insoluble COMC (Chlamydia outer membrane complex), and serves as the functional equivalent of peptidoglycan.

References

Genetic diversity of Chlamydia pecorum strains in wild koala locations across Australia and the implications for a recombinant C. pecorum major outer membrane protein based vaccine.Kolipara A., Polkinghorne A., Wan C., Kanyoka P., Hanger J., Loader J., Callaghan J., Bell A., Ellis W., Fitzgibbon S., Melzer A., Beagley K., Timms P.Vet. Microbiol. 167:513-522(2013)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.