Recombinant Chlamydia pneumonia antigen, His-tagged

Cat. No. CP-01C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Chlamydia pneumonia antigen CP major outer membrane protein (this region is recognized only by Chlamydia pneumonia antibody) fused with His tag at C-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	160 amino acids
Description	Chlamydia pneumoniae, a human pathogen causing respiratory infections and most likely contributing to the development of atherosclerosis and heart disease, is an obligate intracellular parasite which for replication needs to productively interact with and enter human cells. A specific region of a major outer membrane protein (MOMP), C. pneumonia is only recognized by C. pneumonia positive sera, and is used as an antigen for detection of IgG and IgM to Chlamydia pneumonia.
Form	Sterile filtered colorless solution. 50mM sodium chloride-phosphorous buffer, pH-7.4.
Molecular Mass	18kDa, the protein forms a monomer and a dimer on SDS-PAGE gel,the majority of the protein forms a dimer, which migrates at an MW of 40kDa.
Purity	Protein is >95% pure as determined by 10% PAGE (coomassie staining).
Storage	Store at 4 centigrade if entire vial will be used within 2-4 weeks. Store, frozen at -20

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	centigrade for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

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