Recombinant Chlamydia trachomatis (strain D/UW-3/Cx) 60 kDa chaperonin

Catalog No: #AP74535

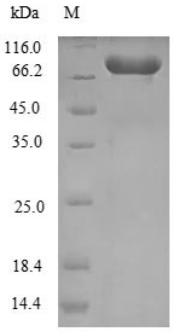
Package Size: #AP74535-1 20ug #AP74535-2 100ug #AP74535-3 1mg

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Description

Product Name	Recombinant Chlamydia trachomatis (strain D/UW-3/Cx) 60 kDa chaperonin
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-544aaSequence Info:Full Length of Mature Protein
Other Names	57KDA chlamydial hypersensitivity antigen GroEL protein Heat shock protein 60 HSP60 Protein Cpn60
Accession No.	P0C0Z7
Uniprot	P0C0Z7
GeneID	884030;
Calculated MW	74.1 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	VAKNIKYNEEARKKIQKGVKTLAEAVKVTLGPKGRHVVIDKSFGSPQVTKDGVTVAKEVELADKHENMGAQMV KEVASKTADKAGDGTTTATVLAEAIYTEGLRNVTAGANPMDLKRGIDKAVKVVVDQIRKISKPVQHHKEIAQVA TISANNDAEIGNLIAEAMEKVGKNGSITVEEAKGFETVLDIVEGMNFNRGYLSSYFATNPETQECVLEDALVLIY DKKISGIKDFLPVLQQVAESGRPLLIIAEDIEGEALATLVVNRIRGGFRVCAVKAPGFGDRRKAMLEDIAILTGGQ LISEELGMKLENANLAMLGKAKKVIVSKEDTTIVEGMGEKEALEARCESIKKQIEDSSSDYDKEKLQERLAKLSG GVAVIRVGAATEIEMKEKKDRVDDAQHATIAAVEEGILPGGGTALIRCIPTLEAFLPMLTNEDEQIGARIVLKALS APLKQIAANAGKEGAIIFQQVMSRSANEGYDALRDAYTDMLEAGILDPAKVTRSALESAASVAGLLLTTEALIAEI PEEKPAAAPAMPGAGMDY
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.

Images



Background

Prevents misfolding and promotes the refolding and proper assembly of unfolded polypeptides generated under stress conditions (By similarity). This protein is implicated in the pathogenesis of chlamydial disease. Inflammation elicited by the 57KDA antigen may damage tissue, with progression to scarring of conjunctival and fallopian tube mucosae, which respectively result in blindness and infertility.

References

"Genome sequence of an obligate intracellular pathogen of humans: Chlamydia trachomatis."Stephens R.S., Kalman S., Lammel C.J., Fan J., Marathe R., Aravind L., Mitchell W.P., Olinger L., Tatusov R.L., Zhao Q., Koonin E.V., Davis R.W.Science 282:754-759(1998)Research Topic:Microbiology

Note: This product is for in vitro research use only