



Recombinant Chlamydia trachomatis Chaperonin GroEL (groEL)

Product Code	CSB-EP314770DSB
Relevance	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 57 kDa antigen may damage tissue, with progression to scarring of conjunctival and fallopian tube mucosae, which respectively result in blindness and infertility.
Abbreviation	Recombinant Chlamydia trachomatis groL 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.	P0C0Z7
Product Type	Recombinant Proteins
Immunogen Species	Chlamydia trachomatis (strain D/UW-3/Cx)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	VAKNIKYNEEARKKIQKGVKTLAEAVKVTLGPKGRHVVIDKSFGSPQVTKDGVTVAKEVELADKHENMGAQMVKEVASKTADKAGDGTATTATVLAELIYTEGLRNVTAGANPMDLKRIGDKAVKVVVDQIRKISKVPQHHKEIAQVATISANNDAEIGNLIAEAMEKVGKNGSITVEEAKGFETVLDIVEGMNFNRYLSSYFATNPETQECVLEDALVLIYDKKISGIKDFLPVLQQVAESGRPLLIIEGIEGALATLVVNRIRGGFRVCAVKAPGFGDRRKAMLEDIAITGGQLISEELGMKLENANLAMLGKAKKVIVSKEDTTIVEGMGEKEALEARCESIKKQIEDSSSDYDKEKLQERLAKLSGGVAVIRVGAATEIEMKEKKDRVDDAQHATIAAVEEGILPGGGTALIRCIPTLEAFLPMLTNEDEQIGARIVLKALSAPLKQIAANAGKEGAIIFQQVMSRSANEGYDALRDAYTDMLEAGILDPKAVTRSALESAASVAGLLLTTEALIAEIPPEEKPAAPAMPAGMDY
Source	E.coli
Target Names	groL
Protein Names	Recommended name: 60 kDa chaperoninAlternative name(s): 57 kDa chlamydial hypersensitivity antigen GroEL protein Heat shock protein 60 Short name= HSP60 Protein Cpn60
Expression Region	2-544aa
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	74.0 kDa

