

60 kDa chaperonin Recombinant Protein | groL recombinant protein

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

CATALOG #
AAA309823

HOST
E Coli

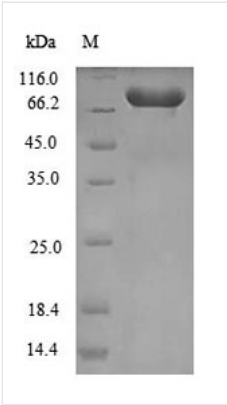
PRODUCT SYNONYMS

60 kDa chaperonin; Recombinant Chlamydia trachomatis (strain D/UW-3/Cx) 60 kDa chaperonin; 57 kDa chlamydial hypersensitivity antigen; GroEL protein; Heat shock protein 60; HSP60; Protein Cpn60; groL recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	Tris-based buffer, 50% glycerol
Sequence Positions	Full Length,2-544
Sequence	MVAKNIKYNE EARKKIQKGV KTLAEAVKVT LGPKGRHVVI DKSFGSPQVT KDGVTVAKEV ELADKHENMG AQMVKEVASK TADKAGDGTT TATVLAEAIY TEGLRNVTAG ANPMDLKRG I DKAVKVVVDQ IRKISKPVQH HKEIAQVATI SANNDAEIGN LIAEAMEKVG KNGSITVEEA KGFETVLDIV EGMNFNRYL SSYFATNPET QECVLEDALV LIYDKKISGI KDFLPVLQQV AESGRPLLII AEDIEGEALA TLVVRIRGG FRVCAVKAPG FGDRRKAMLE DIAITGGQL ISEELGMKLE NANLAMLGKA KKVIVSKEDT TIVEGMGEKE ALEARCESIK KQIEDSSSDY DKEKLQERLA KLSGGVAVIR VGAATEIEMK EKKDRVDDAQ HATIAAVEEG ILPGGGTALI RCIPTLEAFL PMLTNEDEQI GARIVLKALS APLKQIAANA GKEGAIIFQQ VMSRSANEGY DALRDAYTDM LEAGILDPK VTRSALESAA SVAGLLLTTE ALIAEIPEEK PAAAPAMPGA GMDY
Sequence Length	544
Product Type	Recombinant Protein
Target Species	Chlamydia trachomatis (strain D/UW-3/Cx)
Tag Info	N-terminal 6xHis-SUMO-tagged
Preparation and 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 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for groL recombinant protein	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15604829
NCBI GeneID	884030
NCBI Accession #	NP_219613.1
NCBI GenBank Nucleotide #	NC_000117.1
UniProt Accession #	P0C0Z7; O84112; P17203
Molecular Weight	73.98kDa
NCBI Official Full Name	chaperonin GroEL
NCBI Official Symbol	groEL_1
NCBI Protein Information	chaperonin GroEL
UniProt Protein Name	60 kDa chaperonin
UniProt Gene Name	groL
UniProt Synonym Gene Names	HSP60

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.