

60 kDa chaperonin (groL), partial Recombinant Protein | groL recombinant protein

Recombinant Chlamydia trachomatis 60 kDa chaperonin (groL), partial

CATALOG #
AAA115387

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

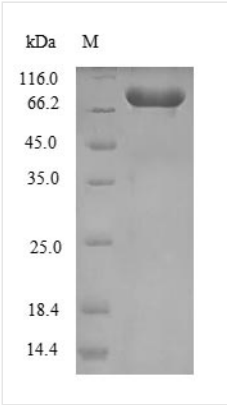
PRODUCT SYNONYMS

60 kDa chaperonin (groL); partial; Recombinant Chlamydia trachomatis 60 kDa chaperonin (groL); 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 or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-544. Full Length of Mature Protein
Sequence	VAKNIKYNEE ARKKIQKGVK TLAEAVKVTL GPKGRHVVID KSFGSPQVTK DGVTVAKEVE LADKHENMGA QMVKEVASKT ADKAGDGTIT ATVLAEAIYT EGLRNVTAGA NPMDLKRIGD KAVKVVVDQI RKISKPVQHH KEIAQVATIS ANNDAEIGNL IAEAMEKVGK NGSITVEEAK GFETVL DIVE GMNFNRYLS SYFATNPETQ ECVLEDALVL IYDKKISGIK DFLPVLQQVA ESGRPLIIA EDIEGEALAT LVVNRIRGGF RYCAVKAPGF GDRRKAMLED IAILTGGQLI SEELGMKLEN ANLAMLGKAK KVIVSKEDTT IVEGMGEKEA LEARCESIKK QIEDSSSDYD KEKLQERLAK LSGGVAVIRV GAATEIEMKE KKDRVDDAQH ATIAAVEEGI LPGGGTALIR CIPTLEAFLP MLTNEDEQIG ARIVLKALSA PLKQIAANAG KEGAIIFQQV MSRSANEGYD ALRDAYTDML EAGILDPAKV TRSALESAAS VAGLLLTTEA LIAEIPPEKP AAPAMPGAG MDY
Species	Chlamydia trachomatis (strain D/UW-3/Cx)
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Coli host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

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.
Product Categories/Family for groL recombinant protein	Microbiology

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	74.0 kDa
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
UniProt Entry Name	CH60_CHLTR

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.