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GroEL, E.coli, Recombinant, expressed in E.coli

产品货号: TP02334

第三版

别名: 60 kDa chaperonin, Protein Cpn60, groL, mopA

描述: GroEL protein is the major heat shock protein of E.coli and belongs to the chaperonin (HSP60) family. GroEL protein prevents misfolding of proteins and promotes the refolding and proper assembly of unfolded polypeptides generated under stress condition. GroEL gene was amplified by PCR from E.coli and cloned into an expression vector. This protein was overexpressed in E.coli and was purified by using conventional chromatography techniques.

配方: Liquid. In 25 mM Tris buffer (pH 7.5) containing 100 mM NaCl, 5 mM DTT, 10% glycerol

分子量: 57.3kDa (548aa), confirmed by MALDI-TOF

序列:

MAAKDVKFGNDARVKMLRGVNVLADAVKVTLGPKGRNVVLDKSFSGAPTITKDGVSVAREIELEDKFENMGAQMVKEV  
ASKANDAAGDGTATVLAQAIIIEGLKAVAAGMNPMDLKRIGDKAVTAAVEELKALSVPCSDSKAIAQVGTISANSD  
ETVGKLIAMDKVKGEGVITVEDGTGLQDELDDVVEGMQFDRGYLSPYFINKPETGAVELESPFILLADKKISNIREMLPVLEA  
VAKAGKPLIIAEDVEGEALATLVVNTMRGIVKVAAVKAPGFGDRRKAMLQDIATLTGGTVISEEIGMELEKATLEDLGQ  
AKRVVINKDTTIIIDGVGEEAAIQGRVAQIRQQIEEATSDYDREKLQERVAKLAGGVAVIKVGAATEVEMKEKKARVED  
ALHATRAAVEEGVVAGGGVALIRVASKLADLRGQNEQNVGKVALRAMEAPLRQIVLNCGEEPSVVANTVKGGDGN  
YGYNAATEEYGNMIDMGILDPTKVTRSAALQYAASVAGLMITTECMVTDLPKNDAAADLGAAGGMGGMGGMGGMM

纯度: > 95% by HPLC

浓度: 1 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.