

GroEL (HSP60) (27-573 a.a.) Human Recombinant

Item Number	rAP-3418
Synonyms	CPN60, GROEL, HLD4, HSP-60, HSP60, HSP65, HuCHA60, SPG13, Chaperonin 60, 60 kDa chaperonin, P60 lymphocyte protein, 60 kDa heat shock protein, mitochondrial.
Description	GROEL Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 572 amino acids (27-573 a.a.) and having a molecular mass of 60kDa. GROEL is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P10809
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHEMAKDVK FGADARALML QGVDLLADAV AVTMGPKGRT VIIQSWGSP KVTKDGVTV KSIDLKDKYK NIGAKLVQDV ANNTNEEAGD GTTTATVLAR SIAKEGFEDI SKGANPVEIR RGVMLAVDAV IAEKKQSKP VTTPEEIAQV ATISANGDKE IGNIISDAMK KVGRKGVITV KDGKTLNDEL EIIEGMKFDR GYISPYFINT SKGQKCEFQD AYVLLSEKKI SSIQSIVPAL EIANAHKPL VIIAEDVDGE ALSTLVNLRL KVGLQVVAVK APGFGDNRKN QLKDMAIATG GAVFGEEGLT LNLEDVQPHD LGKVGEVIVT KDDAMLLKGK GDKAQIEKRI QEIIQLDVT TSEYEKEKLN ERLAKLSDGV
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	GROEL protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer, (pH 8.0) 0.1M NaCl and 10% glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**