

GroEL (HSP60) Human Recombinant

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| Item Number | rAP-3383 |
| Synonyms | CPN60, GROEL, HSP60, HSP65, SPG13, CHA60, GROL, crpA, mopA, 60 kDa heat shock protein mitochondrial, Heat shock protein 60, HSP-60, 60 kDa chaperonin, Chaperonin 60, Mitochondrial matrix protein P1, P60 lymphocyte protein, HuCHA60, HSPD1. |
| Description | Recombinant Human GroEL, HSP60 produced in E.Coli is a single, non-glycosylated polypeptide chain fused to a 20 a.a. His tag at N-terminus containing 593 amino acids (1-573 a.a.) and having a molecular mass of 63kDa. The HSP60 is purified by proprietary chromatographic techniques. |
| Uniprot Accession Number | P10809 |
| Amino Acid Sequence | MGSSHHHHHH SSGLVPRGSH MLRLPTVFRQ MRPVSRVLAP HLTRAYAKDV KFGADARALMLQGVDL- LADA VAVTMGPKGR TVIIEQSWG S PKVTKDGVTV AKSIDLKDKY KNIGAKLVQDVANNTNEEAG DGTTTATVLA RSIKEGF EK ISKGANPVEI RRGVMLAVDA VIAELKKQSKPVTTPPEEIAQ VATISANGDK EIGNIISDAM KKVGRKGVIT VKDGKTLNDE LEIIEGMKFD RGYISPYFIN TSKGQKCEFQ DAYVLLSEKK ISSIQSIVPA LEIANAHRKP LVIIAEDVDG EALSTLV LNR LKVG LQVVAV KAPGFGDNRK NQLKDMAIAT GGAVFGEEGL TLNLEDVQPH DLGKVG EVIV TKDDAMLLKG KGDKAQIEKR IQEIIQLDV TTSEYEKEKL |
| 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 | The GroEL protein contains 20mM Tris-HCl buffer pH-8.0, 5mM DTT and 10% Glycerol. Greater than 95.0% 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**