

## 32-5332: Recombinant Human Heat Shock Protein 90kDa Beta (GRP94) Member 1

**Alternative Name :** ECGP,GP96,TRA1,GRP94,HSP90B1,Endoplasmin,Heat shock protein 90 kDa beta member 1,94 kDa glucose-regulated protein,gp96 homolog,Tumor rejection antigen 1.

### Description

Source : Escherichia Coli. HSP90B1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 819 amino acids (22-803 a.a.) and having a molecular mass of 94.4 kDa.HSP90B1 is expressed with a 36 amino acid His tag at N-Terminus and purified by proprietary chromatographic techniques. HSP90B1 is an abundant molecular chaperone resident endoplasmic reticulum (ER) luminal stress protein which is part of the Hsp90 family. HSP90B1 is involved in maintaining protein homeostasis in the secretory pathway as well as functioning in the intracellular trafficking of peptides from the extracellular space to the MHC class I antigen processing pathway of antigen presentation cells. HSP90B1 has key roles in signal transduction, protein folding, protein degradation, and morphologic evolution. HSP90B1 protein associates with numerous cochaperones and involved in folding of newly synthesized proteins or stabilizing and refolding denatured proteins after stress. HSP90B1 is highly expressed in human gastric carcinoma BGC-823 cells during the whole cell cycle.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** The GRP94 protein solution (1mg/ml) contains 20mM Tris-HCl, pH-8, 1mM EDTA, 0.1M NaCl, 1mM DTT and 10% Glycerol.  
**Storage condition :** 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.  
**Amino Acid :** MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMDE VDVDGTVEED  
LGKSREGSRT DDEVVQREEE AIQLDGLNAS QIRELREKSE KFAFQAEVNR MMKLIINSLY  
KNKEIFLREL ISNASDALDK IRLISLTDEN ALSGNEELTV KIKCDKEKNL LHVTDTGVGM  
TREELVKNLG TIAKSGTSEF LNKMTEAQED GQSTSELIGQ FGVGFYSAFL VADKVIVTSK  
HNNDTQHIWE SDSNEFSVIA DPRGNTLGRG TTITLVLKEE ASDYLELDTI KNLVKKYSQF  
INFPIYVWSS KTETVEEPME EEEAAKEEKE ESDDEAAVEE EEEEEKPKTK KVEKTVWDWE  
LMNDIKPIWQ RPSKEVEEDE YKAFYKFSK ESDDPMAYIH FTAEGEVTFK SILFVPTSAP  
RGLFDEYGSK KSDYIKLYVR RVFITDDFHD MMPKYLNFVK GVVSDDDLPL NVSRETQQH  
KLLKVIKRL VRKTLDMIKK IADDKYNDTF WKEFGTNIKL GVIEDHSNRT RLAKLLRFQS  
SHHPTDITSL DQYVERMKEK QDKIYFMAGS SRKEAESSPF VERLLKKGYE VIYLTEPVDE  
YCIQALPEFD GKRFQNVAKE GVKFDESEKT KESREAVEKE FEPLLNWMKD KALKDKIEKA  
VVSQRLTESP CALVASQYGW SGNMERIMKA QAYQTGKDIS TNYYASQKKT FEINPRHPLI  
RDMLRRIKED EDDKTVLDLA VVLFETATLR SGYLLPDTKA YGDRIERMLR LSLNIDPDAK  
VEEEEEPEPE ETAEDTTEDT EQDEDEEMDV GTDEEEETAK ESTAEKDEL.

