

## HSP90B1 (GRP94) Recombinant Protein | HSP90B1 recombinant protein

HSP90B1 (GRP94), 22-803aa, Human, His tag, E Coli

|                              |                       |                                 |
|------------------------------|-----------------------|---------------------------------|
| CATALOG #<br><b>AAA11758</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>SDS-Page</b> |
|------------------------------|-----------------------|---------------------------------|

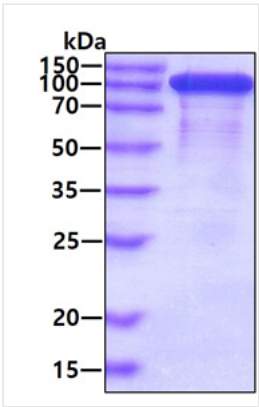
### PRODUCT SYNONYMS

HSP90B1 (GRP94); 22-803aa; Human; His tag; E Coli; 94 kDa glucose-regulated protein; HSP90B1; GP96; TRA1; Tumor rejection antigen 1; GRP94; 94 kDa glucose-regulated protein 94 kDa glucose regulated protein; ECGP; Endoplasmin; Endothelial cell (HBMEC) glycoprotein; Glucose regulated protein 94kDa; gp96; gp96 homolog; GRP 9; Heat shock protein 90 kDa beta member 1; Stress inducible tumor rejection antigen GP96; Tumor rejection antigen gp96.; HSP90B1 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| Host                                                    | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Purity/Purification                                     | > 90% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Form/Format                                             | Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 1 mM DTT, 1mM EDTA, 0.1M NaCl, 10% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Concentration                                           | 1 mg/ml (determined by Bradford assay) (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Sequence                                                | MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMDDE VDVDGTVEED LGKSREGSRT<br>DDEVVQREEE AIQLDGLNAS QIRELREKSE KFAFQAEVNR MMKLIINSLY KNKEIFLREL ISNASDALDK<br>IRLISLTDEN ALSGNEELTV KIKCDKEKNL LHVTDGTGVM TREELVKNLG TIAKSGTSEF LNKMTEAQED<br>GQSTSELIGQ FGVGFYSAFL VADKVIVTSK HNNDTQHIWE SDSNEFSVIA DPRGNTLGRG TTITLVLKEE<br>ASDYLELDTI KNLVKKYSQF INFPIYVWSS KTETVEEPME EEEAAKEEKE ESDDEAAVEE EEEEEKPKTK<br>KVEKTVWDWE LMNDIKPIWQ RPSKEVEEDE YKAFYKFSK ESDDPMAYIH FTAEGEVTFK SILFVPTSAP<br>RGLFDEYGSK KSDYIKLYVR RVFITDDFHD MMPKYLNFKV GVVDSDDLPL NVSRETLQQH KLLKVIRKKL<br>VRKTLDMIKK IADDKYNDTF WKEFGTNIKL GVIEDHSNRT RLAKLLRFQS SHHPTDITSL DQYVERMKEK<br>QDKIYFMAGS SRKEAESSPF VERLLKKGYE VIYLTEPVDE YCIQALPEFD GKRFQNVAKE GVKFDESEKT<br>KESREAVEKE FEPLLNWMKD KALKDKIEKA VVSQRLTESP CALVASQYGW SGNMERIMKA QAYQTGKDIS<br>TNYYSQKKT FEINPRHPLI RDMLRRIKED EDDKTVLDLA VVLFETATLR SGYLLPDTKA YGDRIERMLR<br>LSLNIDPDAK VEEEPPEEPE ETAEDTTEDT EQDEDEEMDV GTDEEEETAK ESTAEKDEL |
| Sequence Length                                         | 803                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Applicable Applications for HSP90B1 recombinant protein | SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Tag                                                     | His-tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Domain                                                  | 22-803aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Preparation and Storage                                 | Can be stored at 2°C to 8°C for 1 week.<br>For long term storage, aliquot and store at -20°C to -80°C.<br>Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

IMAGES



SDS-PAGE  
3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

|                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| Related Product Information for HSP90B1 recombinant protein | GRP94, also known as Heat shock protein 90kDa beta, member 1 (HSP90B1), is an abundant resident endoplasmic reticulum (ER) luminal stress protein which together with cytosolic Hsp90 belongs to the Hsp90 family of molecular chaperones. It plays an important role in maintaining protein homeostasis in the secretory pathway. Also, GRP94 can function in the intracellular trafficking of peptides from the extracellular space to the MHC class I antigen processing pathway of antigen presentation cells. Recombinant human GRP94 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography. |
| Product Categories/Family for HSP90B1 recombinant protein   | Heat Shock Proteins                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| References                                                  | Random F., et al. (2001). Nat Cell Biol. 3 (10):E231.; Li Z., et al. (2002). Front Biosci. 7:d731-51. ;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

NCBI AND UNIPROT INFORMATION

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| NCBI GI #                        | 4507677                                    |
| NCBI GeneID                      | 7184                                       |
| NCBI Accession #                 | NP_003290                                  |
| NCBI GenBank Nucleotide #        | NM_003299.2                                |
| UniProt Accession #              | P14625; Q96A97                             |
| Molecular Weight                 | 94.4 kDa (819aa)                           |
| NCBI Official Full Name          | endoplasmin                                |
| NCBI Official Synonym Full Names | heat shock protein 90 beta family member 1 |
| NCBI Official Symbol             | HSP90B1                                    |
| NCBI Official Synonym Symbols    | ECGP; GP96; TRA1; GRP94; HEL35; HEL-S-125m |
| NCBI Protein Information         | endoplasmin                                |
| UniProt Protein Name             | Endoplasmin                                |
| UniProt Gene Name                | HSP90B1                                    |
| UniProt Synonym Gene Names       | GRP94; TRA1; GRP-94                        |

**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.

