

HSP90B1

Recombinant Human Heat Shock Protein 90kDa Beta (GRP94) member 1 His

Catalog No.	CS468A CS468B CS468C	Quantity:	2 µg 10 µg 1 mg
Alternate Names:	ECGP, GP96, TRA1, GRP94, HEL35, HEL-S-125m		
Description:	<p>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 is 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.</p> <p>Recombinant Human HSP90B1 is a single, non-glycosylated polypeptide chain containing 819 amino acids (aa22-803) expressed with a 36 amino acid His tag at the N-Terminus.</p>		
Concentration:	1 mg/ml		
Gene ID:	7184		
Source:	<i>E. coli</i>		
Formulation:	Sterile filtered colorless solution containing 20 mM Tris-HCl, pH 8, + 1 mM EDTA + 0.1M NaCl + 1 mM DTT + 10% Glycerol.		
Purity:	>90.0% as determined by SDS-PAGE		
Amino Acid Sequence:	<p><u>MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGS</u>MDDE VDVDGTVEED LGKSREGSRT DDEVVQREEE AIQLDGLNAS QIRELREKSE KFAFQAEVNR MMKLIINSLY KNKEIFLREL ISNASDALDK IRLISLTDEN ALSGNEELTV KIKCDKEKNL LHVTDGTGVM TREELVKNLG TIAKSGTSEF LNKMTAQED GQSTSELIGQ FGVGFYSAFL VADKVIIVTSK HNNDTQHIWE SDSNEFSVIA DPRGNTLGRG TTITLVLKEE ASDYLELDTI KNLVKKYSQF INFPIYVWSS KTETVEEPM EEEAAKEEKE ESDDEAAVEE EEEEEKPKTK KVEKTVWDWE LMNDIKPIWQ RPSKEVEEDE YKAFYKSFSK ESDDPMAYIH FTAEGEVTFK SILFVPTSAP RGLFDEYGSK KSDYIKLYVR RVFITDDFHD MMPKYLNFVK GVVDSDDLPL NVSRETLQQH KLLKVIRKKL VRKTLDMIKK IADDKYNDTF WKEFGTNIKL GVIEDHSNRT RLAKLLRFQS SHHPTDITSL DQYVERMKEK QDKIYFMAGS SRKEAESSPF VERLLKKGYE VIYLTEPVDE YCIQALPEFD GKRFQNVAK GVKFDESEKT KESREAVEKE FEPLLNWMKD KALKDKIEKA VVSQRLTESP CALVASQYGW SGNMERIMKA QAYQTGKDIS TNYASQKKT FEINPRHPLI RDMLRRIKED EDDKTVLDLA VVLFETATLR SGYLLPDTKA YGDRIERMLR LSLNIDPAK VEEPEEEPE ETAEDTTEDT EQDEDEEMDV GTDEEEETAK ESTAEKDEL.</p>		



Storage & Stability: Store at 2-4°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 repeated freeze-thaw cycles.**

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com