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32-5333: Recombinant Human Heat Shock Protein 90kDa Beta (GRP94) Member 1, HEK

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 : HEK 293. HSP90B1 Human Recombinant produced in HEK cells is a single, glycosylated, polypeptide chain (Asp22-Glu798) containing a total of 789 amino acids, having a calculated molecular mass of 90.9kDa. HSP90B1 is fused to a 2 aa N-terminal linker, a 4 aa C-terminal linker and a 6 aa His tag at C-Terminus. HSP90B1 is an abundant molecular chaperone resident endoplasmic reticulum (ER) lumenal 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 :	HSP90B1 was filtered (0.4µm) and lyophilized in phosphate buffered saline (PBS) pH 8.0, 1% (w/v) Sucrose and 4% (w/v) Mannitol.
Storage condition :	Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time.
Amino Acid :	ASDDEVDVDG TVEEDLGKSR EGSRTDDEVV QREEEAIQLD GLNASQIREL REKSEKFAFQ AEVNRMMKLI INSLYKNKEI FLRELISNAS DALDKIRLIS LTDENALSGN EELTVKIKCD KEKNLLHVTD TGVGMTREEL VKNLGTIAKS GTSEFLNKMT EAQEDGQSTS ELIGQFGVGF YSAFLVADKV IVTSKHNNDT QHIWESDSNE FSVIADPRGN TLGRGTTITL VLKEEASDYL ELDTIKNLVK KYSQFINFPI YVWSSKTETV EEPMEEEEAA KEEKEESDDE AAVEEEEEEK KPKTKKVEKT VWDWELMNDI KPIWQRPSKE VEEDEYKAFY KSFSKESDDP MAYIHFTAEG EVTFKSILFV PTSAPRGLFD EYGSKKSDYI KLYVRRVFIT DDFHDMMPKY LNFVKGVVDS DDLPLNVSRE TLQQHKLLKV IRKKLVRKTL DMIKKIADDK YNDTFWKEFG TNIKLGVIED HSNRTRLAKL LRFQSSHHPT DITSLDQYVE RMKEKQDKIY FMAGSSRKEA ESSPFVERLL KKGYEVIYLT EPVDEYCIQA LPEFDGKRFQ NVAKEGVKFD ESEKTKESRE AVEKEFEPLL NWMKDKALKD KIEKAVVSQR LTESPCALVA SQYGWSGNME RIMKAQAYQT GKDISTNYYA SQKKTFEINP RHPLIRDMLR RIKEDEDDKT VLDLAVVLFE TATLRSGYLL PDTKAYGDRI ERMLRLSLNI DPDAKVEEEP EEEPEETAED TTEDTEQDED EEMDVGTDEE ETAKESTAE G PKLHHHHHH.

Application Note

It is recommended to add 200µl deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. HSP90B1 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.