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32-5331: Recombinant Human Heat Shock Protein 90 Alpha

Alternative Name : HSPN,LAP2,HSP86,HSPC1,HSPCA,Hsp89,Hsp90,HSP90A,HSP90N,HSPCAL1,HSPCAL4,FLJ31884,Heat shock protein HSP 90-alpha,Renal carcinoma antigen NY-REN-38,HSP 86,HSP90AA1.

Description

Source : Escherichia Coli. Recombinant Human HSP-90 produced in E.Coli is a single, non-glycosylated polypeptide chain (aa 1-732) containing 752 amino acids and having a molecular mass of 86.8kDa. HSP90 is expressed with a 20 amino acid His tag at N-Terminus and purified by proprietary chromatographic techniques. HSP90 has been identified in the cytosol, nucleus and endoplasmic reticulum, and is reported to exist in many tissue types. In several tissues, including smooth muscle, HSP90 comprises up to 2% of total cellular protein. HSP90 functions as a dimer, assembled as part of heterocomplex. It possesses ATP-binding site and low ATPase activity. HSP90 is able to associate with actin filaments in certain conditions. Another important property of HSP90 is the binding of unoccupied steroid hormone receptors. HSP90 has been characterized as a molecular chaperone able to keep the target protein in a folding-competent state. It has an enhanced chaperone activity in oligomeric form at high temperatures. HSP90 function is sensitive to bivalent cations concentration.

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The HSP90 protein solution contains 20mM Tris-HCl, pH-7.4 and 100mM NaCl.
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 :	MGSSHHHHHH SSGLVPRGSH MPEETQTQDQ PMEEEEVETF AFQAEIAQLM SLIINTFYSN KEIFLRELIS NSSDALDKIR YESLTDPSKL DSGKELHINL IPNKQDRTLT IVDTGIGMTK ADLINNLGTI AKSGTKAFME ALQAGADISM IGQFGVGFYS AYLVAEKVTV ITKHNDDEQY AWESSAGGSF TVRTDTGEPM GRGTKVILHL KEDQTEYLEE RRIKEIVKKH SQFIGYPITL FVEKERDKEV SDDEAEEKED KEEEKEKEEK ESEDKPEIED VGSDEEEEKK DGDKKKKKKI KEKYIDQEEL NKTKPIWTRN PDDITNEEYG EFYKSLTNDW EDHLAVKHFS VEGQLEFRAL LFVPRRAPFD LFENRKKKNN IKLYVRRVFI MDNCEELIPE YLNFIRGVVD SEDLPLNISR EMLQQSKILK VIRKNLVKKC LELFTELAED KENYKKFYEQ FSKNIKLGIH EDSQNRKKLS ELLRYYTSAS GDEMVSLKDY CTRMKENQKH IYYITGETKD QVANSAFVER LRKHGLEVIY MIEPIDEYCV QQLKEFEGKT LVSVTKEGLE LPEDEEEKKK QEEKKTKFEN LCKIMKDILE KKVEKVVVSN RLVTSPCCIV TSTYGWTANM ERIMKAQALR DNSTMGYMAA KKHLEINPDH SIIETLRQKA EADKNDKSVK DLVILLYETA LLSSGFSLEDPQTHANRIYR MIKLGLGIDE DDPTADDTSA AVTEEMPPLE GDDDTSRMEE VD.