HSP90AA1
Recombinant Human Heat Shock Protein 90α (aa 1-732)

Catalog No.	CSI15616A	**Quantity:**	100 µg
	CSI15616B		500 µg

Alternate Names: FLJ31884, HSP86, HSP89A, HSP90A, HSP90N, HSPC1, HSPCA, HSPCAL1, HSPCAL4, HSPN, Hsp89, Hsp90, LAP2, heat shock 90kD protein 1, alpha, heat shock 90kD protein 1, alpha-like 4, heat shock 90kD protein, alpha-like 4, heat shock 90kDa protein 1, alpha

Description: HSP 90 is a human heat shock protein. In response to adverse change in their environment, cell from all organisms increase the expression of a class of proteins referred to as heat shock or stress protein. The Hsp90, a highly conserved stress-induced protein, is abundantly expressed in most tissues under nonstress conditions and is required for eukaryotic cell viability. Hsp90 is primarily a cytoplasmic protein and its function remains unknown. It exists in a dimeric form and has been observed to bind to several other cellular proteins such as retro-virus kinases, steroid receptor, heme-regulated protein kinase, actin and tubulin. Recombinant human Hsp90 α, fused to His-tag at N-terminus, was cloned into an *E. coli* expression vector and was purified to apparent homogeneity by using conventional column chromatography techniques.

Concentration: 1 mg/mL (determined by Bradford assay)

Gene ID: 3320

Protein Accession No: NP_005339

Source: *E. coli*

Molecular Weight: 86.8kDa (752aa), confirmed by MALDI-TOF

Formulation: Liquid in 20 mM Tris-HCl buffer (pH 7.4) containing 100 mM NaCl

Purity: > 90% by SDS - PAGE

Amino Acid Sequence:
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

Storage & Stability: Store at 4 °C short term (1-2 weeks). For long term aliquot and store at -20 °C to -80 °C. **Avoid repeated freeze/thaw cycles.**

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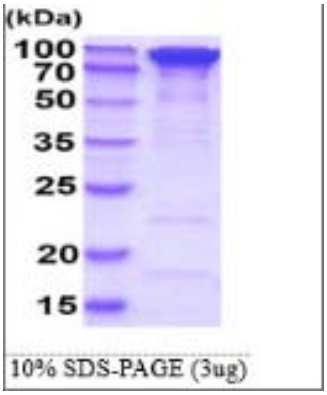

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