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HSP90 (amino acids 1-732), Human, Recombinant, His-tag, E.coli

产品货号: TP02527

第三版

别名: Heat shock protein HSP 90-alpha, HSP 86, Renal carcinoma antigen NY-REN-38, HSPC1, HSPCA

描述: 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, 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.

配方: Liquid. In 20 mM Tris-HCl buffer (pH 7.4) containing 100 mM NaCl

分子量: 86.8kDa (752aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMPEETQTQDQPMEEEEVETFAFQAEIAQLMSLIINTFYNSKEIFLRELISNSSDALDKIRYES
LTDPSKLDGKELHINLIPNKQDRTLIVDTGIGMTKADLINNLGTIAKSGTKAFMEALQAGADISMIGQFGVGFYSAYLVA
EKVTVITKHNDDEQYAWESSAGGSFTVRTDTGEPMGRGKTVILHLKEDQTEYLEERRIKEIVKKHSQFIGYPITLFVEKERD
KEVSDDEAEEKEDKEEKEKEEKESEDKPEIEDVGSDEEEKKDGDKKKKKKIKEKYIDQEELNKTPIWTRNPDDITNEEY
GEFYKSLTNDWEDHLAVKHFSVEGQLEFRALLFVPRRAPFDLFENRKKKNNIKLYVRRVFIMDNCEELIPEYLNFRGVVDS
EDLPLNISREMLQQSKILKVIKKNLVKKCLELFTELAEDKENYKKFYEQFSKNIKLGIHEDSQNRKKLSELLRYTTSASGDEM
VSLKDYCTRMKENQKHIYYITGETKDQVANSFVERLRKHGLEVIYMIPIDEYCVQQLKEFEGKTLVSVTKEGLELPEDE
EEKKKQEEKTKFENLCKIMKDILEKKVEKVVVSNRLVTSPCCIVTSTYGWTANMERIMKAQALRDNSTMGYMAAKKHL
EINPDHSIIETLRQKAEADKNDKSVKDLVILLYETALLSSGFSLEDPQTHANRIYRMIKLGIDEDDPTADDTSAAVTEEMP
PLEGDDDTSRMEEVD

纯度: > 95% by HPLC

浓度: 1 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.