

Recombinant Human HSP90AA1 protein, His-tagged

Cat. No. HSP90AA1-28997TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HSP90AA1 fused with His tag at C-terminal was expressed in Sf9 insect cells using baculovirus.
Species	Human
Source	Insect Cells
Description	HSP90 α is a member of the HSP90 family of proteins which are important molecular chaperones involved in signal transduction, cell cycle control, stress management, folding, degradation, and transport of proteins. HSP90 is a molecular chaperone that plays a key role in the conformational maturation of oncogenic signaling proteins, including HER2/ERBB2, AKT, RAF1, BCR-ABL and mutated p53. HSP90 inhibitors bind to HSP90, and induce the proteasomal degradation of HSP90 client proteins. HSP90 α is an important mediator of cancer cell invasion and is expressed extracellularly on fibrosarcoma and breast cancer cells where it interacts with MMP2.
Form	50mM MOPS, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Molecular Mass	~94 kDa
Purity	> 85%
Applications	Western Blot

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Stability	One year at –70 centigrade from date of shipment
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.2 ug/ul
GENE INFORMATION	
Gene Name	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 [Homo sapiens]
Official Symbol	HSP90AA1
Synonyms	EL52; HSPN; LAP2; HSP86; HSPC1; HSPCA; Hsp89; Hsp90; LAP-2; HSP89A; HSP90A; HSP90N; HSPCAL1; HSPCAL4; heat shock protein HSP 90-alpha; HSP 86; LPS-associated protein 2; epididymis luminal secretory protein 52; heat shock 86 kDa; 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; lipopolysaccharide-associated protein 2; renal carcinoma antigen NY-REN-38
Gene ID	3320
mRNA Refseq	NM_005348
Protein Refseq	NP_005339
MIM	140571
UniProt ID	P07900

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**Chromosome
Location**

14q32.33

Pathway

AhR pathway, organism-specific biosystem; Anchoring of the basal body to the plasma membrane, organism-specific biosystem; Assembly of the primary cilium, organism-specific biosystem

Function

ATP binding; ATPase activity; TPR domain binding

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