

## Recombinant Human HSP90AA1 293 Cell Lysate

**Cat. No.** HSP90AA1-5362HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for heat shock protein 90kDa alpha (cytosolic), class A member 1 (HSP90AA1), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
<b>Components</b>	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
<b>Applications</b>	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

**Gene Name** HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 [ Homo sapiens ]

**Official Symbol** HSP90AA1

**Synonyms** HSP90AA1; heat shock protein 90kDa alpha (cytosolic), class A member 1; heat shock 90kD protein 1, alpha , heat shock 90kDa protein 1, alpha , HSPC1, HSPCA; heat shock protein HSP 90-alpha; FLJ31884; Hsp89; Hsp90; HSP90N; HSP 86; heat shock 86 kDa; heat shock 90kD protein 1, alpha; heat shock 90kDa protein 1, alpha; renal carcinoma antigen NY-REN-38; heat shock 90kD protein, alpha-like 4; heat shock 90kD protein 1, alpha-like 4; HSPN; LAP2; HSP86; HSPC1; HSPCA; HSP89A; HSP90A; HSPCAL1; HSPCAL4;

**Gene ID** 3320

**mRNA Refseq** NM\_005348

**Protein Refseq** NP\_005339

**MIM** 140571

**UniProt ID** P07900

**Chromosome Location** 14q32.33

**Pathway** Antigen processing and presentation, organism-specific biosystem; Antigen

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processing and presentation, conserved biosystem; Axon guidance, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Centrosome maturation, organism-specific biosystem; Class I PI3K signaling events, organism-specific biosystem;

**Function**

ATP binding; ATP binding; ATPase activity; TPR domain binding; TPR domain binding; identical protein binding; nitric-oxide synthase regulator activity; nucleotide binding; protein binding; protein homodimerization activity; protein serine/threonine kinase activity; unfolded protein binding;

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