

## Recombinant Human HSP90AA1, His-tagged

**Cat. No.** HSP90AA1-28996TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fusion protein; human Hsp90 alpha fused to His-tag at N-terminus. Molecular Weight: 86.8 kDa (732 amino acids).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	HSP90 proteins are highly conserved molecular chaperones that have key roles in signal transduction, protein folding, protein degradation, and morphologic evolution. HSP90 proteins normally associate with other cochaperones and play important roles in folding newly synthesized proteins or stabilizing and refolding denatured proteins after stress. There are 2 major cytosolic HSP90 proteins, HSP90AA1, an inducible form, and HSP90AB1 (MIM 140572), a constitutive form. Other HSP90 proteins are found in endoplasmic reticulum (HSP90B1; MIM 191175) and mitochondria (TRAP1; MIM 606219) (Chen et al.
<b>Conjugation</b>	HIS
<b>Form</b>	Liquid
<b>Purity</b>	>90% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 20mM Tris HCl, 100mM Sodium chloride, pH 7.4
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Sequence Similarities** Belongs to the heat shock protein 90 family.

## GENE INFORMATION

<b>Gene Name</b>	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 [ Homo sapiens ]
<b>Official Symbol</b>	HSP90AA1
<b>Synonyms</b>	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;
<b>Gene ID</b>	3320
<b>mRNA Refseq</b>	NM_001017963
<b>Protein Refseq</b>	NP_001017963
<b>MIM</b>	140571
<b>Uniprot ID</b>	P07900
<b>Chromosome Location</b>	14q32.33
<b>Pathway</b>	Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Axon guidance, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Centrosome maturation, organism-specific biosystem;

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**Function**

ATP binding; ATP binding; ATPase activity; TPR domain binding; TPR domain binding;

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