

Active Recombinant Human HSP90AA1

Cat. No. HSP90AA1-70H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HSP90AA1 was expressed in E. coli.
Species	Human
Source	E.coli
Description	The protein encoded by this gene is an inducible molecular chaperone that functions as a homodimer. The encoded protein aids in the proper folding of specific target proteins by use of an ATPase activity that is modulated by co-chaperones. Two transcript variants encoding different isoforms have been found for this gene.
Form	Supplied as a solution in HEPES, KCl and TCEP.
Bio-activity	HSP90 alpha/HSP90AA1 is a molecular chaperone that assists in the folding of nascent polypeptides and the refolding of denatured proteins. Reaction conditions will need to be optimized for each specific application.
Molecular Mass	85 kDa
Purity	>85%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain.
Storage	Avoid repeated freeze-thaw cycles. 12 months from date of receipt, -70 °C as supplied. 3 months, -70 °C under sterile conditions after opening.

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GENE INFORMATION

Gene Name	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 [Homo sapiens (human)]
Official Symbol	HSP90AA1
Synonyms	HSP90AA1; EL52; HSPN; LAP2; HSP86; HSPC1; HSPCA; Hsp89; Hsp90; HSP89A; HSP90A; HSP90N; HSPCAL1; HSPCAL4; heat shock protein 90kDa alpha (cytosolic), class A member 1; heat shock protein HSP 90-alpha; 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; epididymis luminal secretory protein 52; heat shock 90kD protein 1, alpha-like 4
Gene ID	3320
mRNA Refseq	NM_001017963
Protein Refseq	NP_001017963
MIM	140571
UniProt ID	P07900
Chromosome Location	14q32.33
Pathway	AhR pathway; Antigen processing and presentation; Cell Cycle
Function	ATP binding; ATPase activity; TPR domain binding

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