

## Recombinant Human HSP90AA1 protein, His-tagged

Cat. No. HSP90AA1-03H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant partial human HSP90AA1 was expressed in E. coli using an N-terminal 6xHis-tagged.

**Species** Human

**Source** E.coli

**ProteinLength** 1-291aa

**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** Liquid or Lyophilized powder

**Molecular Mass** 34.2 kDa

**AA Sequence**  
MPEETQTQDQPMEEEEVETFAFQAEIAQLMSLIINTFYNSKEIFLRELISNSSDALDKI  
RYESLTDPSKLD SGKELHINLIPNKQDRTLIVDTGIGMTKADLINNLGTTAKSGTKAF  
MEALQAGADISMIGQFGVGFYSAYLVAEKVTITKHNDDEQYAWESSAGGSFTVRT  
DTGEPMGRGTKVILHLKEDQTEYLEERRIKEIVKKHSQFIGYPITLFVEKERDKEVSD  
DEAEKEDKEEEEKEEKESEDKPEIEDVGSDEEEEEKKGDKKKKKKIKIKEYIDQEE  
LN

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<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
<b>Storage</b>	Store at -20 centigrade/-80 centigrade upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
<b>Expiry</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
<b>Storage Buffer</b>	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 centigrade/-80 centigrade. Our default final concentration of glycerol is 50%.

## GENE INFORMATION

<b>Gene Name</b>	HSP90AA1 heat shock protein 90 alpha family class A member 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	HSP90AA1

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**Synonyms**

Heat shock 86 kDa; Heat shock protein 90kDa alpha cytosolic class A member 1; Heat shock protein 90kDa alpha cytosolic class B member 1; Heat shock protein HSP 90 alpha; Heat shock protein HSP 90 beta; Heat shock protein HSP 90-alpha; HS90A\_HUMAN; HSP 84; HSP 86; Hsp 90; HSP86; HSP90A; HSP90AA1; HSP90AB1; HSP90B; HSPC1; HSPC2; HSPCAL1; HSPCAL4; Renal carcinoma antigen NY-REN-38.

**Gene ID**

3320

**mRNA Refseq**

NM\_001017963

**Protein Refseq**

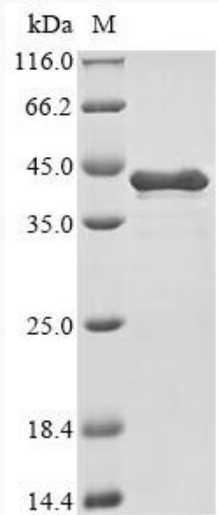
NP\_001017963

**MIM**

140571

**UniProt ID**

P07900



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and

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15% separation gel.

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