

Recombinant Human HSP90AA1 protein, His-SUMO-tagged

Cat. No. HSP90AA1-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HSP90AA1 protein, fused to N-terminal His tag and SUMO tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	9-232aa
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	41.2kDa
AA Sequence	DQPMEEEEVETFAFQAEIAQLMSLIINTFYNSKEIFLRELISNSSDALDKIRYESLTDPS KLD SGKELHINLIPNKQDRTLIVDTGIGMTKADLNNLGTIAKSGTKAFMEALQAGADI SMIGQFGVGFYSAYLVAEKVTVITKHNDDQYAWESSAGGSFTVRTDTGPEPMGRG TKVILHLKEDQTEYLEERRIKEIVKKHSQFIGYPITLFVEKERDKEVSD
Purity	Greater than 90% as determined by SDS-PAGE.

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Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	Store at -20 centigrade/-80 centigrade upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Expiry	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.
Storage Buffer	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.
Reconstitution	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

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

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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.

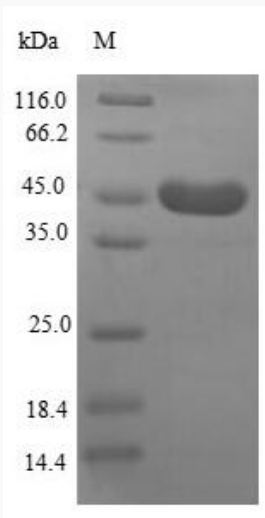
Gene ID 3320

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 15% separation gel.

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