

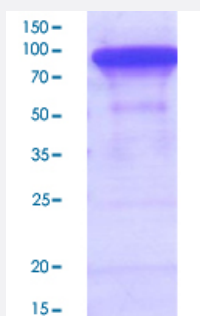
Full-Length

HSP90AA1 (Human) Recombinant Protein

Catalog # P3387

Size 100 ug

Applications



Specification

Product Description

Human HSP90AA1 (NP_005339, 1 a.a. - 732 a.a.) full-length recombinant protein with His tag at N-terminal expressed in *Escherichia coli*.

Sequence

MGSSHHHHHSSGLVPRGSHMPEETQTQDQPMEEEEVETFAFQAEIAQLMSLIINTFYSNKEIFLR
ELISNSSDALDKIRYESLTDP SKLD SGKELHINLIPNKQDRTLTVDTGIGMTKADLNNLGTIAKSGTK
AFMEALQAGADISMIGQFGVGFYSAYLVAEKVTVITKHNDDEQYAWESSAGGSFTVRTDTGEPMG
RGTKVILHLKEDQTEYLEERRIKEIVKKHSQFIGYPITLFVEKERDKEVSDDEAEEKEDKEEEEKEKE
EKESDKPEIEDVGSDEEEEKKDGD KKKKKKKI KEKYIDQEELNKT KPMWTRNPDDITNEEYGEFYK
SLTNDWEDHLAVKHFSVEGQLEFRALLFVPRRAPFDLFENRKKKNNIKLYRRVFIMDNCEELIPE
YLNFI RGVVDS EDLP LNISREMLQQSKILKVIRK NLVKKCLELFTELAEDKENYKKFYEQFSKNIKLGI
HEDSQNRKKLSELLRYTSASGDEMVS LKDYCTR MKENQKHYYITGETKDQVANS AFVERLRKH
GLEVIYMI EPIDEYCVQQLKEFEGKTLVSVTKEGLELPEDEEEKKKQEEKTKFENLCKIMKDILEK
KVEKVVVSNRLVTSPCCIVTSTYGWTANMERIMKAQALRDNSTMGYMAAKKHLEINPDHSIETLR
QKAEADKNDKSVKDLVILLYETALLSSGFSLED PQTHANRIYRMIKLGLGIDEDDPTADDTSAAVTE
EMPPLEGDDDDTSRMEEVD

Host

Escherichia coli

Theoretical MW (kDa)

86.8

Form

Liquid

Preparation Method

Escherichia coli expression system

Purification	Conventional column chromatography
Concentration	1 mg/mL
Purity	> 90% by SDS-PAGE
Quality Control Testing	3 ug by SDS-PAGE under reducing condition and visualized by Coomassie blue stain.
Storage Buffer	In PBS, pH 7.4 (10% glycerol).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — HSP90AA1

Entrez GeneID	3320
Protein Accession#	NP_005339
Gene Name	HSP90AA1
Gene Alias	FLJ31884, HSP86, HSP89A, HSP90A, HSP90N, HSPC1, HSPCA, HSPCAL1, HSPCAL4, HSPN, Hsp89, Hsp90, LAP2
Gene Description	heat shock protein 90kDa alpha (cytosolic), class A member 1
Omim ID	140571
Gene Ontology	Hyperlink
Gene Summary	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., 2005 [PubMed 16269234]).[supplied by OMIM]
Other Designations	heat shock 90kD protein 1, alpha heat shock 90kD protein 1, alpha-like 4 heat shock 90kD protein, alpha-like 4 heat shock 90kDa protein 1, alpha

Publication Reference

- [Paeoniflorin protects against cisplatin-induced acute kidney injury through targeting Hsp90AA1-Akt protein-protein interaction.](#)

Meng-Ya Zhang, Li-Juan Ma, Ling Jiang, Li Gao, Xian Wang, Yue-Bo Huang, Xiang-Ming Qi, Yong-Gui Wu, Xue-Qi Liu.
Journal of Ethnopharmacology 2023 Jun; 310:116422.

Application: Sub, Recombinant proteins

Pathway

- [Antigen processing and presentation](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)

Disease

- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Edema](#)