Recombinant Human Heat Shock Protein 90kDa Alpha (cytosolic), Class A Member 1, His-tagged

Cat. No. HSP90AA1-135H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HSP90AA1was expressed in E. coli.
Species	Human
Source	E.coli
Description	HSP90AA1 has beenidentified in the cytosol, nucleus and endoplasmic reticulum, and is reportedto exist in many tissue types. In several tissues, including smooth muscle,HSP-90 comprises up to 2% of total cellular protein. HSP90 functions as adimer, assembled as part of heterocomplex. It possesses ATP-binding site andlow ATPase activity.
Form	The protein (1mg/ml) contains 20 mM Tris-HCl, pH 7.4 + 100 mM NaCl.
Purity	Greater than 95.0%as determined by analysis by RP-HPLC and by analysis by reducing andnon-reducing SDS-PAGE Coomassie.
Storage	Store at 2-4°C ifentire vial will be used within 2-4 weeks. Store, frozen at -20°C for longerperiods of time. For long term storage it is recommended to add a carrierprotein (0.1% HSA or BSA). Please avoid freeze-thaw cycles.
OfficialSymbol	HSP90AA1

GENE INFORMATION

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Gene Name	HSP90AA1 heat shock protein90kDa alpha (cytosolic), class A member 1 [Homo sapiens]
Synonyms	HSP90AA1; heat shockprotein 90kDa alpha (cytosolic), class A member 1; HSPN; LAP2; HSP86;HSPC1; HSPCA; Hsp89; Hsp90; HSP89A; HSP90A; HSP90N; HSPCAL1; HSPCAL4;FLJ31884; heat shock protein HSP 90-alpha; HSP 86; heat shock 86 kDa; OTTHUMP00000246766;OTTHUMP00000246767; heat shock 90kD protein 1, alpha; heat shock 90kDaprotein 1, alpha; renal carcinoma antigen NY-REN-38; heat shock 90kD protein,alpha-like 4; heat shock 90kD protein 1, alpha-like 4
Gene ID	3320
mRNA Refseq	NM_005348
Protein Refseq	NP_005339
MIM	140571
UniProt ID	Q86SX1
Chromosome Location	14q32.33
Pathway	Antigen processingand presentation; Axon guidance; Cell Cycle; Centrosome maturation; Class IPI3K signaling events; Developmental Biology; EBV LMP1 signaling; ErbBreceptor signaling network; Glucocorticoid receptor regulatory network; IL-2Signaling Pathway; Integrins in angiogenesis; Metabolism of nitric oxide;NOD-like receptor signaling pathway; Progesterone-mediated oocyte maturation
Function	ATP binding; ATPaseactivity; TPR domain binding; identical protein binding; nitric-

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	oxidesynthase regulator activity; nucleotide binding; protein binding; proteinhomodimerization activity; protein serine/threonine kinase activity; unfoldedprotein binding

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