Recombinant Human HSP90AA1, His-tagged

Cat. No. HSP90AA1-27845TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 577-732 of Human Hsp90 alpha with N terminal His tag; MWt 18kDa.
Species	Human
Source	E.coli
ProteinLength	577-732 a.a.
Description	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.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 103 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	DILEKKVEKVVVSNRLVTSPCCIVTSTYGWTANMERIMKA QALRDNSTMGYMAAKK HLEINPDHSIIETLRQKAEADK NDKSVKDLVILLYETALLSSGFSLEDPQTHANRIYRM I KLGLGIDEDDPTADDTSAAVTEEMPPLEGDDDTSRMEE VD
Sequence Similarities	Belongs to the heat shock protein 90 family.

GENE INFORMATION

Gene Name	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 [Homo sapiens]
Official Symbol	HSP90AA1
Synonyms	HSP90AA1; heat shock protein 90kDa alpha (cytosolic), class A member 1; heat shock 90kD protein 1, alpha , heat shock 90kDa protein 1, alpha , HSPC1, HSPCA; heat shock protein HSP 90-alpha; FLJ31884; Hsp89; Hsp90; HSP90N;
Gene ID	3320
mRNA Refseq	NM_001017963
Protein Refseq	NP_001017963
MIM	140571
Uniprot ID	P07900
Chromosome Location	14q32.33

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Pathway	Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Axon guidance, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Centrosome maturation, organism-specific biosystem;
Function	ATP binding; ATP binding; ATPase activity; TPR domain binding; TPR domain binding;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA