

Recombinant Human HSP90AB1

Cat. No. HSP90AB1-29405TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length human Hsp90 beta, cloned from a human cDNA library and expressed in Hi5 cells using baculovirus expression.
Species	Human
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 (MIM 140571), an inducible form, and HSP90AB1, a constitutive form. Other HSP90 proteins are found in endoplasmic reticulum (HSP90B1; MIM 191175) and mitochondria (TRAP1; MIM 606219) (Chen et al.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris, 175mM Sodium chloride, 1mM DTT, 0.1mM EDTA, pH 7.5
Storage	Store at -20°C. Stable for 12 months at -20°C
Sequence Similarities	Belongs to the heat shock protein 90 family.

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Full Length Full L.

GENE INFORMATION

Gene Name HSP90AB1 heat shock protein 90kDa alpha (cytosolic), class B member 1 [Homo sapiens]

Official Symbol HSP90AB1

Synonyms HSP90AB1; heat shock protein 90kDa alpha (cytosolic), class B member 1; heat shock 90kD protein 1, beta , heat shock 90kDa protein 1, beta , HSPC2, HSPCB; heat shock protein HSP 90-beta;

Gene ID 3326

mRNA Refseq NM_007355

Protein Refseq NP_031381

MIM 140572

Uniprot ID P08238

Chromosome Location 6p12

Pathway Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Immune System, organism-specific biosystem;

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Function

ATP binding; CTP binding; GTP binding; TPR domain binding; UTP binding;

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