

Recombinant Human HSP90AB1, His-tagged

Cat. No. HSP90AB1-1462H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human HSP90beta was expressed by baculovirus in Sf9 insect cells using a C-terminal His tag. MW = 91 kDa.
Species	Human
Source	Sf9 Cells
Description	HSP90β is a member of the HSP90 family of proteins which are important molecular chaperones involved in signal transduction, cell cycle control, stress management, and folding, degradation, and transport of proteins. HSP90 proteins have been found in a variety of organisms suggesting that they are ancient and conserved. HSP90 binds to client proteins (such as steroid receptors, AKT, Bcr-Abl, Apaf-1, survivin, cyclin dependent kinases) and acts as a molecular chaperone. Failure of Hsp90 chaperone activity leads to misfolding of client proteins, which leads to ubiquitination and proteasome degradation, and thus deregulation of cellular homeostasis.
Sequence	Full length.
Applications	ATPase Assay, Western Blot.
Storage And Stability	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Full Length	Full L.

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GENE INFORMATION

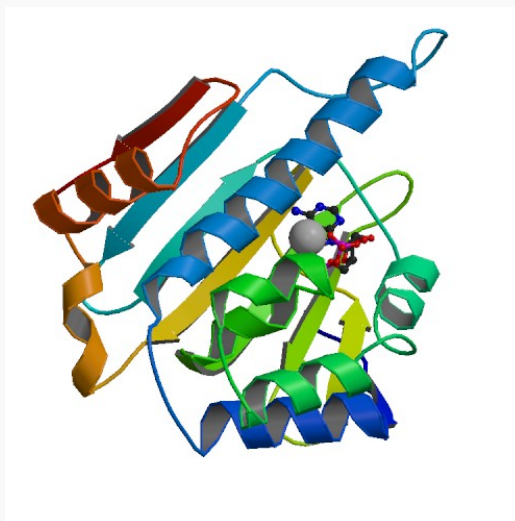
Gene Name	HSP90AB1 heat shock protein 90kDa alpha (cytosolic), class B member 1 [Homo sapiens]
Synonyms	HSP90AB1; heat shock protein 90kDa alpha (cytosolic), class B member 1; HSPC2; HSPCB; D6S182; HSP90B; FLJ26984; HSP90-BETA; heat shock 90kDa protein 1, beta; OTTHUMP00000016518; OTTHUMP00000016519; heat shock protein beta; Heat shock protein HSP 90-beta; HSP 90; HSP 84; OTTHUMP00000016517; OTTHUMP00000039869; heat shock 90kD protein 1, 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; NOD-like receptor signaling pathway; Pathways in cancer; Progesterone-mediated oocyte maturation; Prostate cancer
Function	ATP binding; TPR domain binding; nitric-oxide synthase regulator activity; nucleotide binding; unfolded protein binding

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