

## Recombinant Human HSP90AB1, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length human HSP90beta was expressed by baculovirus in <i>Sf9</i> insect cells using a C-terminal His tag. MW = 91 kDa.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>Description</b>	HSP90 $\beta$ 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.
<b>Sequence</b>	Full length.
<b>Applications</b>	ATPase Assay, Western Blot.
<b>Storage And Stability</b>	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.
<b>Full Length</b>	Full L.

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## GENE INFORMATION

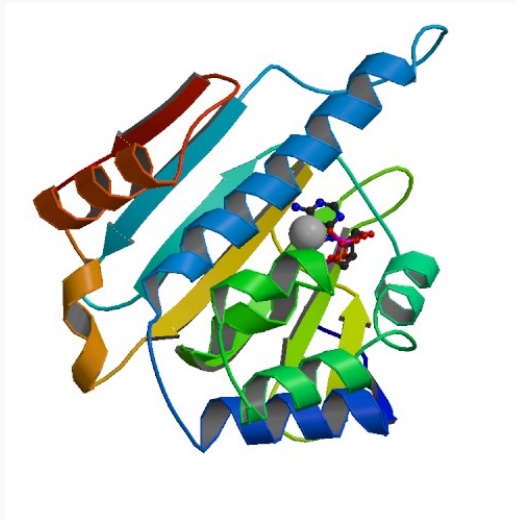
<b>Gene Name</b>	HSP90AB1 heat shock protein 90kDa alpha (cytosolic), class B member 1 [ Homo sapiens ]
<b>Synonyms</b>	HSP90AB1; heat shock protein 90kDa alpha (cytosolic), class B member 1; HSPC2; HSPCB; D6S182; HSP90B; FLJ26984; HSP90-BETA; heat shock 90kDa protein 1, beta; OTTHUMP00000016518; OTTHUMP00000016519; heat shock protein beta; Heat shock protein HSP 90-beta; HSP 90; HSP 84; OTTHUMP00000016517; OTTHUMP00000039869; heat shock 90kD protein 1, beta
<b>Gene ID</b>	3326
<b>mRNA Refseq</b>	NM_007355
<b>Protein Refseq</b>	NP_031381
<b>MIM</b>	140572
<b>UniProt ID</b>	P08238
<b>Chromosome Location</b>	6p12
<b>Pathway</b>	Antigen processing and presentation; NOD-like receptor signaling pathway; Pathways in cancer; Progesterone-mediated oocyte maturation; Prostate cancer
<b>Function</b>	ATP binding; TPR domain binding; nitric-oxide synthase regulator activity; nucleotide binding; unfolded protein binding

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