Recombinant Human Heat Shock Protein 90kDa Alpha (Cytosolic), Class B Member 1

Cat. No. HSP90AB1-4924H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant HSP90AB1 produced from Sf9 cells represents the full length (a.a. 1-723) of Hsp90 subunit.
Species	Human
Source	Sf9 Cells
ProteinLength	1-723 a.a.
Description	HSP90AB1 is a molecular chaperone and is one of the most abundant proteins in unstressed cells. In mammalian cells, there are two genes encoding cytosolic HSP90AB1 homologues, with the human Hsp90α showing 85% sequence identity to Hsp90β.
Molecular Weight	90 kDa
Form	13 mg/ml in 40 mM HEPES/KOH, pH 7.5, containing 400 mM potassium chloride and 5% glycerol.
Appearance	Liquid
Endotoxin Level	< 0.1 ng/μg
Purity	≥99% by SDS-PAGE

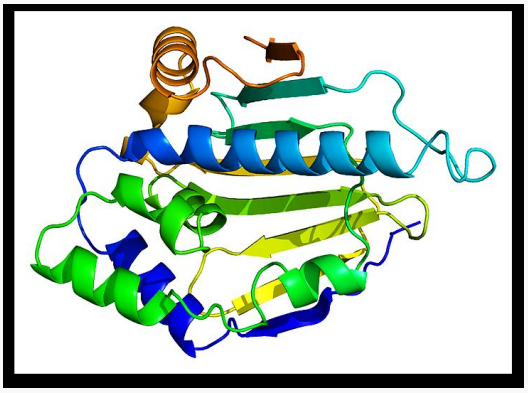
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Storage	-80°C. Avoid freeze/thaw cycles.
Pathways	Antigen processing and presentation; NOD-like receptor signaling pathway; Pathways in cancer; Progesterone-mediated oocyte maturation; Prostate cancer; Axon guidance; Immune System; Inflammasomes; Innate Immunity Signaling; Nucleotide-binding domain, leucine rich repeat containing receptor (NLR) signaling pathways; Progesterone-mediated oocyte maturation; Protein processing in endoplasmic reticulum; Sema3A PAK dependent Axon repulsion; Semaphorin interactions; TNF-alpha/NF-kB Signaling Pathway
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; HSPC2; HSPCB; D6S182; HSP90B; FLJ26984; HSP90-BETA; heat shock protein HSP 90-beta; heat shock protein HSP 90-beta; HSP84; HSP 84; HSP 90; Heat shock 84 kDa; OTTHUMP00000016517; OTTHUMP00000016518; OTTHUMP00000016519; heat shock protein beta; heat shock 90kD protein 1, beta; 90-kda heat shock protein beta HSP90 beta
Gene ID	3326
mRNA Refseq	NM_007355
Protein Refseq	NP_031381

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MIM	140572
UniProt ID	P08238
Chromosome Location	6p12
Function	ATP binding; TPR domain binding; nitric-oxide synthase regulator activity; nucleotide binding; unfolded protein binding; CTP binding; GTP binding; UTP binding; dATP binding; protein binding; protein serine/threonine kinase activity
PDB rendering basedon 1byq.	

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