

Recombinant Human HSP90B1 protein, His & T7-tagged

Cat. No. HSP90B1-7779H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HSP90B1 aa. (Ala234~Lys474 (Accession # P14625)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala234~Lys474
Description	This gene encodes a member of a family of adenosine triphosphate(ATP)-metabolizing molecular chaperones with roles in stabilizing and folding other proteins. The encoded protein is localized to melanosomes and the endoplasmic reticulum. Expression of this protein is associated with a variety of pathogenic states, including tumor formation. There is a microRNA gene located within the 5' exon of this gene. There are pseudogenes for this gene on chromosomes 1 and 15.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.1kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.6.

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Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4
GENE INFORMATION	
Gene Name	HSP90B1 heat shock protein 90 beta family member 1 [Homo sapiens (human)]
Official Symbol	HSP90B1
Synonyms	HSP90B1; heat shock protein 90 beta family member 1; ECGP; GP96; TRA1; GRP94; HEL35; HEL-S-125m; endoplasmin; 94 kDa glucose-regulated protein; endothelial cell (HBMEC) glycoprotein; epididymis luminal protein 35; epididymis secretory sperm binding protein Li 125m; heat shock protein 90 kDa beta member 1; heat shock protein 90kDa beta (Grp94), member 1; heat shock protein 90kDa beta family member 1; stress-inducible tumor rejection antigen gp96; tumor rejection antigen (gp96) 1; tumor rejection antigen 1
Gene ID	7184
mRNA Refseq	NM_003299.2

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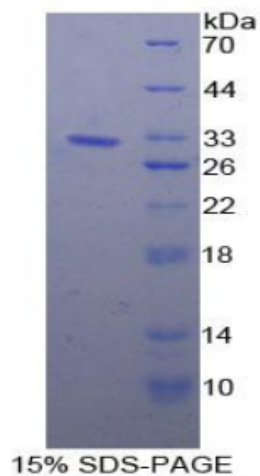
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Protein Refseq NP_003290.1

UniProt ID P14625

SDS-PAGE



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