

Recombinant Human HSP90B1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HSP90B1-4761H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HSP90B1 MS Standard C13 and N15-labeled recombinant protein (NP_003290) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	92.5 kDa
AA Sequence	MRALWVLGLCCVLLTFGSVRADDEVVDVGTVEEDLGKSREGSRTDDEVVQREEEAI QLDGLNASQIRELREKSEKFAFQAEVNRMMKLIINSLYKNKEIFLRELISNASDALDKI RLISLTDENALSGNEELTVKIKCDKEKNLLHVTDGTGVMTREELVKNLGTIAKSGTSE FLNKMTEAQEDGQSTSELIGQFGVGFYSAFLVADKVIVTSKHNNDTQHIWESDSNEF SVIADPRGNTLGRGTTITLVLKEEASDYLELDTIKNLVKKYSQFINFPIYVWSSKTETV EEMPMEEEAAKEEKEESDDEAAVEEEEEEEKPKTKKVEKTVWDWELMNDIKPIWQR PSKEVEEDEYKAFYKSFSKESDDPMAYIHFTAEGEVTFKSILFVPTSAPRGLFDEYGS

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KKSDYIKLYVRRVFITDDFHDMMPKYLNFBVKGVDSDDLPLNVSRETLLQHKLLKVIR
 KKLVRKTLDMIKKIADDDKYNDTFWKEFGTNIKLGVEDHSNRTRLAKLLRFQSSHHPT
 DITSLDQYVERMKEKQDKIYFMAGSSRKEAESSPFVERLLKKGYEVIYLTPEVDEYCI
 QALPEFDGKRFQNVAKGKVFDESEKTESREAVEKEFEPLLNWMKDKALKDKIEK
 AVVSQRLTESPCALVASQYGWSGNMERIMKAQAYQTGKDISTNYYASQKKTFEINP
 RHPLIRDMLRRIKEDEDDKTVDLAVVLFETATLRSGYLLPDTKAYGDRIERMLRLSL
 NIDPDAKVEEEPEEEPEETAEDTTEDTEQDEDEEMDVGTDEEEETAKESTAEEKDEL
 RTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name HSP90B1 heat shock protein 90 beta family member 1 [Homo sapiens (human)]

Official Symbol HSP90B1

Synonyms HSP90B1; heat shock protein 90kDa beta (Grp94), member 1; TRA1, tumor rejection antigen (gp96) 1; endoplasmic; GP96; GRP94; GRP-94; gp96 homolog; tumor rejection antigen 1; 94 kDa glucose-regulated protein; Tumor rejection antigen-1 (gp96); tumor rejection antigen (gp96) 1; glucose regulated protein, 94 kDa; endothelial cell (HBMEC) glycoprotein; heat shock protein 90 kDa beta member 1;

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ECGP; TRA1;

Gene ID 7184

mRNA Refseq NM_003299

Protein Refseq NP_003290

MIM 191175

UniProt ID P14625

SDS-PAGE



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