Recombinant Human HSP90B1 293 Cell Lysate

Cat. No. HSP90B1-5360HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for heat shock protein 90kDa beta (Grp94), member 1 (HSP90B1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	HSP90B1 heat shock protein 90kDa beta (Grp94), member 1 [Homo sapiens]
Official Symbol	HSP90B1
Synonyms	HSP90B1; heat shock protein 90kDa beta (Grp94), member 1; TRA1, tumor rejection antigen (gp96) 1; endoplasmin; 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; ECGP; TRA1;
Gene ID	7184
mRNA Refseq	NM_003299
Protein Refseq	NP_003290
MIM	191175
UniProt ID	P14625
Chromosome Location	12q24.2-q24.3
Pathway	Activation of Chaperone Genes by ATF6-alpha, organism-specific biosystem;

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	Activation of Chaperones by ATF6-alpha, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; IL6-mediated signaling events, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem;
Function	ATP binding; RNA binding; calcium ion binding; low-density lipoprotein particle receptor binding; nucleotide binding; protein binding; protein phosphatase binding; unfolded protein binding; virion binding;

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