

Recombinant Human Heat Shock Protein 90kDa Beta (Grp94), Member 1

Cat. No. HSP90B1-07H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human heat shock protein 90 β produced in E. coli has a molecular mass of approximately 85 KDa.
Species	Human
Source	E.coli
Description	An approximately 90 kDa heat shock protein constitutively expressed in the cytoplasm. It exists as a dimer and has been observed to bind other cellular proteins such as p60v-src, steroid receptors, heme-regulated protein kinase, actin, and tubulin. Bind to histones with high affinity and induces chromatin condensation.
Purity	>95% as determined by SDS-PAGE.
Specific Activity	The biological activity of HSP90B1 is measured by its ability to support survival and stimulate neurite outgrowth of cultured embryonic chick dorsal root ganglia. Activity can also be measured by its ability to bind recombinant human GFR α 1/Fc.
Storage Buffer	Liquid. In PBS Buffer. Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	HSP90B1 heat shock protein 90kDa beta (Grp94), member 1 [Homo sapiens]
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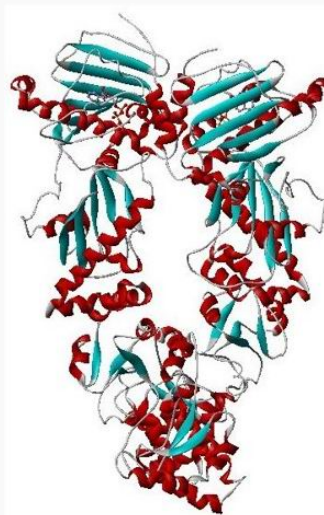
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Synonyms	ECGP; GP96; GRP94; TRA1; 94 kDa glucose-regulated protein; Endoplasmic precursor; Heat shock protein 90 kDa beta member 1; Tumor rejection antigen 1; Tumor rejection antigen-1 (gp96); endothelial cell (HBMEC) glycoprotein; glucose regulated protein; 94 kDa; gp96 homolog; heat shock protein 90kDa beta (Grp94), member 1; tumor rejection antigen (gp96) 1
Gene ID	7184
mRNA Refseq	NM_003299
Protein Refseq	NP_003290
MIM	191175
Uniprot ID	O95433
Chromosome Location	12q24.2-q24.3
Pathway	Pathways in cancer; Prostate cancer
Function	ATP binding, RNA binding, calcium ion binding, low-density lipoprotein receptor binding, nucleotide binding, unfold protein binding, virion binding

Solid ribbon model
of the yeast Hsp90-
dimer (α -helices=
red, β -sheets= cyan,
loops = grey) in
complex with ATP
(red stick diagram)
based on PDB2CG9.



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