

Recombinant Canine HSP90B1 protein

Cat. No. HSP90B1-524C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Canine HSP90B1 was expressed in Insect cells.
Species	Canine
Source	Insect Cells
Description	Grp94 (Glucose-regulated protein 94) is an abundant resident endoplasmic reticulum (ER) luminal stress protein, which together with cytosolic Hsp90 belongs to the Hsp90 family of molecular chaperones. Grp94 expression is upregulated by stress conditions such as glucose starvation and heat shock, which promote protein misfolding or unfolding. In addition to a homeostatic role in protein folding and assembly, Grp94 can function in the intracellular trafficking of peptides from the extracellular space to the MHC class I antigen processing pathway of antigen presentation cells.
Form	Liquid. In 20mM MOPS, pH 7.5, containing 0.5mM EDTA.
Molecular Mass	~94kDa
Purity	≥90% (SDS-PAGE; Western blot)
Usage	WB
Storage	Long Term Storage: -80 centigrade

 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

GENE INFORMATION

Gene Name	HSP90B1 heat shock protein 90kDa beta (Grp94), member 1 [<i>Canis lupus familiaris</i>]
Official Symbol	HSP90B1
Synonyms	TRA1; GRP94; 94 kDa glucose-regulated protein; GRP-94; HSP90 beta; heat shock protein 90 kDa beta member 1; tumor rejection antigen (gp96) 1; tumor rejection antigen 1
Gene ID	404019
mRNA Refseq	NM_001003327
Protein Refseq	NP_001003327
MIM	
UniProt ID	P41148
Chromosome Location	chromosome: 15
Pathway	Binding and Uptake of Ligands by Scavenger Receptors, organism-specific biosystem; Immune System, organism-specific biosystem; Prostate cancer, conserved biosystem
Function	ATP binding; unfolded protein binding

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