Heat Shock Protein 90kDa Beta 1 (HSP90b1) ELISA Kit for Rat

PRODUCT OVERVIEW

Product Name	Heat Shock Protein 90kDa Beta 1 (HSP90b1), ELISA Kit
Full Product Name	Rat Heat Shock Protein 90kDa Beta 1 (HSP90b1) ELISA Kit
Product Gene Name	HSP90b1 elisa kit
Species Reactivity	Rat
Preparation and Storage	Store at 2 to 8 degree C for 6 months.
Molecular Weight	92,469 Da
3D Structure	ModBase 3D Structure for P14625
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for HSP90b1 elisa kit	MBS166337 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Heat Shock Protein 90kDa Beta 1 (HSP90b1) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing HSP90b1. The ELISA analytical biochemical technique of the MBS166337 kit is based on HSP90b1 antibody-HSP90b1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect HSP90b1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, HSP90b1. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of HSP90b1 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HSP90b1. It may not necessarily be applicable to this product.

NCBI GI #	14327942
NCBI GeneID	7184
NCBI Accession #	AAH09195.1
UniProt Primary Accession #	P14625
UniProt Secondary Accession #	Q96A97
UniProt Related Accession #	P14625
NCBI Official Full Name	HSP90B1 protein
NCBI Official Synonym Full Names	heat shock protein 90 beta family member 1
NCBI Official Symbol	HSP90B1
NCBI Official Synonym Symbols	ECGP; GP96; TRA1; GRP94; HEL35; HEL-S-125m
UniProt Protein Name	Endoplasmin
UniProt Synonym Protein Names	94 kDa glucose-regulated protein; GRP-94; Heat shock protein 90 kDa beta member 1; Tumor rejection antigen 1; gp96 homolog
Protein Family	Endoplasmin

UniProt Gene Name	HSP90B1
UniProt Synonym Gene Names	GRP94; TRA1; GRP-94
NCBI Protein Information	endoplasmin
NCBI Summary for HSP90b1	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. [provided by RefSeq, Aug 2012]
UniProt Comments for HSP90b1	Molecular chaperone that functions in the processing and transport of secreted proteins. When associated with CNPY3, required for proper folding of Toll-like receptors (). Functions in endoplasmic reticulum associated degradation (ERAD). Has ATPase activity.
Research Articles on HSP90b1	**1.** Overexpressed miR-150 attenuates hypoxia-induced human cardiomyocyte cell apoptosis by targeting GRP94.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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