Hsp90aa1 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	Hsp90aa1, Blocking Peptide
Full Product Name	Hsp90aa1 Peptide - C-terminal region
Product Gene Name	Hsp90aa1 blocking peptide
Product Synonym Gene Name	86kDa; 89kDa; AL024080; AL024147; Hsp86-1; Hsp89; Hsp90; Hspca; hsp4
Sequence	ILKVIRKNLV KKCLELFTEL AEDKENYKKF YEQFSKNIKL GIHEDSQNRK
Species Reactivity	Mouse, Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	Hsp90aa1 peptide (MBS3240054) is used for blocking the activity of Hsp90aa1 antibody (MBS3215140)
Molecular Weight	85kDa
Product Categories/Family for Hsp90aa1 blocking peptide	Peptide
Applications Tested/Suitable for Hsp90aa1 blocking peptide	Western Blot (WB)
Related Product Information for Hsp90aa1 blocking peptide	This is a synthetic peptide designed for use in combination with anti-Hsp90aa1 Antibody, made Target Description: Hsp90aa1 is a molecular chaperone that promotes the maturation, structural maintenance and proper regulation of specific target proteins involved for instance in cell cycle control and signal transduction. Hsp90aa1 undergoes a functional cycle that is linked to its ATPase activity. This cycle probably induces conformational changes in the client proteins, thereby causing their activation. Hsp90aa1 interacts dynamically with various co-chaperones that modulate its substrate recognition, ATPase cycle and chaperone function.
Other Notes	Small volumes of Hsp90aa1 blocking peptide 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.
Searchable Terms for Hsp90aa1 purchase	MBS3240054 is a blocking peptide targeting Hsp90aa1. Also known as Hsp90aa1 Peptide - C-terminal region. Reactive in Mouse, Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Hsp90aa1. It may not necessarily be applicable to this product.

NCBI GI #	6754254
NCBI GeneID	15519
NCBI Accession #	NP_034610
UniProt Primary Accession #	P07901
UniProt Related Accession #	P07901
GenBank Nucleotide #	NM_010480
NCBI Official Full Name	heat shock protein HSP 90-alpha

NCBI Official Synonym Full Names	heat shock protein 90, alpha (cytosolic), class A member 1
NCBI Official Symbol	Hsp90aa1
NCBI Official Synonym Symbols	hsp4; 86kDa; 89kDa; Hsp89; Hsp90; Hspca; Hsp86-1; AL024080; AL024147
UniProt Protein Name	Heat shock protein HSP 90-alpha
UniProt Synonym Protein Names	Heat shock 86 kDa; HSP 86; HSP86; Tumor-specific transplantation 86 kDa antigen
Protein Family	Heat shock protein
UniProt Gene Name	Hsp90aa1
UniProt Synonym Gene Names	Hsp86; Hsp86-1; Hspca; HSP 86; HSP86; TSTA
UniProt Entry Name	HS90A_MOUSE
NCBI Protein Information	heat shock protein HSP 90-alpha
Research Articles on Hsp90aa1	**1.** The study shows that a conserved tryptophan in the middle domain senses the interaction of Hsp90 with a stringent client protein and transfers this information via a cation-pi interaction with a neighboring lysine.
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