

HSP90 alpha recombinant protein

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CATALOG # AAA72931	HOST Sf9 insect cells	APPLICATIONS Western Blot
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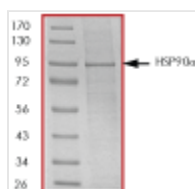
PRODUCT SYNONYMS

HSP90 alpha; HSP90 alpha recombinant protein; HSP90AA1; HSPN; LAP2; HSP86; HSPC1; HSPCA; Hsp89; Hsp90; HSP90N; HSPCAL1; HSPCAL4; FLJ31884; HSP90alpha Protein; HSP90a Protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Purity/Purification	>90%
Form/Format	50mM MOPS, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Concentration	0.2ug/ul (varies by lot)
Sequence Length	3366
Applicable Applications for HSP90 alpha recombinant protein	WB (Western Blot)
Type	Recombinant Fusion Protein
Species	Human
Tag Information	His tag
Expression System	Sf9 insect cells using baculovirus
Source Note	Recombinant full length human HSP90alpha was expressed by baculovirus in Sf9 insect cells
Accession Number	NM 005348
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. Stability: 1yr at -70 degree C from date of shipment.

IMAGES



SDS-PAGE

The purity was determined to be >90% by densitometry . Approx. MW 94 kDa

ADDITIONAL INFORMATION

Related Product Information for HSP90 alpha recombinant protein	Recombinant full-length human HSP90 alpha was expressed by baculovirus in Sf9 insect cells using a C-terminal His tag. Scientific Background: HSP90? is a member of the HSP90 family of proteins which are important molecular chaperones involved in signal transduction, cell cycle control, stress management, folding, degradation, and transport of proteins (1). HSP90 is a molecular chaperone that plays a key role in the conformational maturation of oncogenic signaling proteins, including HER2/ERBB2, AKT, RAF1, BCR-ABL and mutated p53. HSP90 inhibitors bind to HSP90, and induce the proteasomal degradation of HSP90 client proteins. HSP90? is an important mediator of cancer cell invasion and is expressed extracellularly on fibrosarcoma and breast cancer cells where it interacts with MMP2 (2).
Product Categories/Family for HSP90 alpha recombinant protein	Cell Stress & Chaperone Proteins; Signaling Proteins - Cell Stress & Chaperone Proteins
References	1. Csermely, P. et al: The 90-kDa molecular chaperone family: structure, function, and clinical applications. Pharmacol Ther. 1998 Aug;79(2):129-68. 2. Eustace, B. K. et al:Functional proteomic screens reveal an essential extracellular role for hsp90-alpha in cancer cell invasiveness. Nature Cell Biol. 6: 507-514, 2004.

NCBI AND UNIPROT INFORMATION

NCBI GI #	154146190
NCBI GeneID	3320
NCBI Accession #	NP_005339.3
NCBI GenBank Nucleotide #	NM_005348
UniProt Accession #	P07900; Q2PP14; Q5CAQ6; Q5CAQ7; Q9BVQ5; A8K500; B3KPJ9
Molecular Weight	~94 kDa
NCBI Official Full Name	Homo sapiens heat shock protein 90kDa alpha (cytosolic), class A member 1 (HSP90AA1), transcript variant 2, mRNA
NCBI Official Synonym Full Names	heat shock protein 90kDa alpha (cytosolic), class A member 1
NCBI Official Symbol	HSP90AA1
NCBI Official Synonym Symbols	EL52; HSPN; LAP2; HSP86; HSPC1; HSPCA; Hsp89; Hsp90; HSP89A; HSP90A; HSP90N; HSPCAL1; HSPCAL4
NCBI Protein Information	heat shock protein HSP 90-alpha; HSP 86; heat shock 86 kDa; heat shock 90kD protein 1, alpha; heat shock 90kDa protein 1, alpha; renal carcinoma antigen NY-REN-38; heat shock 90kD protein, alpha-like 4; epididymis luminal secretory protein 52; heat shock 90kD protein 1, alpha-like 4
UniProt Protein Name	Heat shock protein HSP 90-alpha
UniProt Gene Name	HSP90AA1
UniProt Synonym Gene Names	HSP90A; HSPC1; HSPCA; HSP 86; HSP86
UniProt Entry Name	HS90A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.