

Datasheet for ABIN6699939
HSP90AB1 Protein (His tag)



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Overview

Quantity:	20 µg
Target:	HSP90AB1
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HSP90AB1 protein is labelled with His tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	HSP90 beta recombinant protein-HIS Epitope
Purification:	Recombinant full length human HSP90β was expressed by baculovirus in Sf9 insect cells using an N-Terminal his epitope. The purity was determined to be >90% by densitometry.
Purity:	>90%

Target Details

Target:	HSP90AB1
Alternative Name:	HSP90AB1 (HSP90AB1 Products)
Background:	Synonyms: HSP90AB1, HSPC2, HSPCB, D6S182, HSP90B, Heat shock protein HSP 90-beta, HSP 90, Heat shock 84 kDa, HSP 84, HSP84 Background: HSP90β is a member of the HSP90 family of proteins which are important molecular chaperones involved in signal transduction, cell cycle control, stress management,

Target Details

and folding, degradation, and transport of proteins (1). HSP90 proteins have been found in a variety of organisms suggesting that they are ancient and conserved. HSP90 binds to client proteins (such as steroid receptors, AKT, Bcr-Abl, Apaf-1, survivin, cyclin dependent kinases) and acts as a molecular chaperone. Failure of Hsp90 chaperone activity leads to misfolding of client proteins, which leads to ubiquitination and proteasome degradation, and thus deregulation of cellular homeostasis (2). HSP90 β Protein is ideal for investigators involved in Signaling Proteins, Cell Stress & Chaperone Proteins, AKT/PKB Pathway, Apoptosis/Autophagy, Cancer, and Cellular Stress research.

NCBI Accession: [NM_007355](#)

Pathways: [Regulation of Cell Size](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Other: ATPase Assay-User Optimized
Application_Note: HSP90 β Protein is suitable for use in Western Blot and ATPase Assay. Expect a band approximately ~91 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.2 μ g/ μ L

Buffer: HSP90 β Protein is stored in 50 mM NaPhosphate pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.2 mM DTT, 25 % glycerol.

Storage: -80 $^{\circ}$ C

Storage Comment: Store product at -70 $^{\circ}$ 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.

Expiry Date: 12 months