Datasheet for ABIN2181231

HSP90AA1 Protein (AA 535-732) (GST tag)

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Overview

Quantity:	100 µg
Target:	HSP90AA1
Protein Characteristics:	AA 535-732
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HSP90AA1 protein is labelled with GST tag.

Product Details

Sequence:	AA 535-732
Characteristics:	This protein carries a GST tag at the N-terminus. The protein has a calculated MW of 49.3 kDa. The protein migrates as 49 kDa under reducing (R) condition (SDS-PAGE).
Purity:	>85 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	HSP90AA1
Alternative Name:	HSP90AA1 (HSP90AA1 Products)
Background:	Heat shock protein HSP 90-alpha (HSP90AA1 or HSP90A) is also known as Heat shock 86 kDa

Target Details

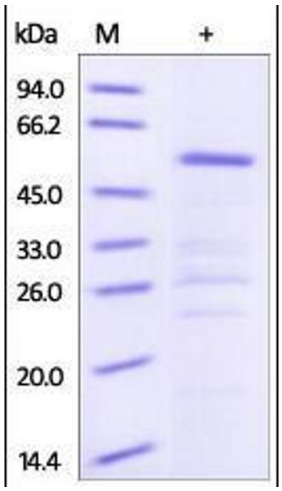
	(HSP 86 or HSP86), Renal carcinoma antigen NY-REN-38, HSPC1, HSPCA, EL52, HSP89A, HSP90N, HSPCAL1, HSPCAL4, HSPN, Hsp89, Hsp90, LAP2, which belongs to the heat shock protein 90 family. HSP90AA1 undergoes a functional cycle that is linked to its ATPase activity. This cycle probably induces conformational 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.
Molecular Weight:	49.3 kDa
NCBI Accession:	NP_005339
Pathways:	M Phase, Regulation of Cell Size, Signaling Events mediated by VEGFR1 and VEGFR2, VEGFR1 Specific Signals

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	50 mM HEPES, 150 mM NaCl, pH 7.0
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C), After reconstitution under sterile conditions for 3 months (-70 °C).



SDS-PAGE

Image 1. Human HSP90AA1, GST Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 85%.