

Product datasheet for TP312496M

HSP90AA1 (NM_005348) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human heat shock protein 90kDa alpha (cytosolic), class A member 1 (HSP90AA1), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC212496 representing NM_005348 Red=Cloning site Green=Tags(s)

MPEETQTQDQPMEEEEVETFAFQAEIAQLMSLIINTFYNSKEIFLRELISNSSDALDKIRYESLTDPSKL
DSGKELHINLIPNKQDRTLTIVDTGIGMTKADLNNLGTIAKSGTKAFMEALQAGADISMIGQFGVGFYS
AYLVAEKVTVITKHNDDEQYAWESSAGGSFTVRTDTGPEMGRGTVILHLKEDQTEYLEERRIKEIVKKH
SQFIGYPITLFVEKERDKEVSDDEAEKEDKEEKEKEEKESEDKPEIEDVGSDEEEKKDGDKKKKKKI
KEYIDQEELNKTPIWTRNPDDITNEEYGEFYKSLTNDWEDHLAVKHFSVEGQLEFRALLFVPRRAPFD
LFENRKKKNNIKLYVRRVFIMDNCEELIPEYLNFRGVVDSDELPLNISREMLQQSKILKVRKNLVKKC
LELFTELAEDKENYKKFYEQFSKNIKLGIHEDSQNRKLSSELLRYYSASGDEMVSCLKDYCTRMKENQKH
IYYITGETKDQVANSFAFVERLRKHGLEVIYMIPIDEYCVQQLKEFEGKTLVSVTKEGLELPEDEEEKKK
QEEKKTGFENLCKIMKDILEKKVEKVVSNRLVTSPCCIVTSTYGWTANMERIMKAQALRDNSTMGYMAA
KKHLEINPDHSIETLRQKAEADKNDKSVKDLVILLYETALLSSGFSLEDPQTHANRIYRMIKLGLGIDE
DDPTADDTSAAVTEEMPPLLEGDDDDTSRMEEVD

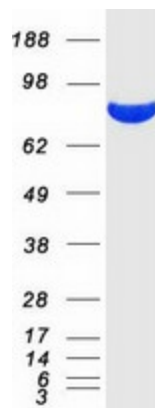
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	84.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_005339
Locus ID:	3320
UniProt ID:	P07900 , K9JA46
RefSeq Size:	2912
Cytogenetics:	14q32.31
RefSeq ORF:	2196
Synonyms:	EL52; HEL-S-65p; HSP86; Hsp89; HSP89A; Hsp90; HSP90A; HSP90N; Hsp103; HSPC1; HSPCA; HSPCAL1; HSPCAL4; HSPN; LAP-2; LAP2
Summary:	The protein encoded by this gene is an inducible molecular chaperone that functions as a homodimer. The encoded protein aids in the proper folding of specific target proteins by use of an ATPase activity that is modulated by co-chaperones. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]
Protein Families:	Druggable Genome
Protein Pathways:	Antigen processing and presentation, NOD-like receptor signaling pathway, Pathways in cancer, Progesterone-mediated oocyte maturation, Prostate cancer

Product images:


Coomassie blue staining of purified HSP90AA1 protein (Cat# [TP312496]). The protein was produced from HEK293T cells transfected with HSP90AA1 cDNA clone (Cat# [RC212496]) using MegaTran 2.0 (Cat# [TT210002]).