

Product datasheet for PH312496

HSP90AA1 (NM_005348) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HSP90AA1 MS Standard C13 and N15-labeled recombinant protein (NP_005339)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212496
Predicted MW:	84.5 kDa
Protein Sequence:	>RC212496 representing NM_005348 Red=Cloning site Green=Tags(s)

MPEETQTQDQPMEEEEVETFAFQAEIAQLMSLIINTFYSNKEIFLRELISNSSDALDKIRYESLTDPSKL
DSGKELHINLIPNKQDRTLTIVDTGIGMTKADLNNLGTIAKSGTKAFMEALQAGADISMIGQFVGVFYS
AYLVAEKVTVITKHNDDEQYAWESSAGGSFTVRTDTGPEMGRGTVILHLKEDQTEYLEERRIKEIVKKH
SQFIGYPITLVEKERDKEVSDDEAEKEDKEEKEKEEKESEDKPEIEDVGSDEEEKKGDKKKKKKI
KEKYIDQEELNKTPIWTRNPDDITNEEYGEFYKSLTNDWEDHLAVKHFSVEGQLEFRALLFVPRRAPFD
LFENRKKKNNIKLYVRRVFIMDNCEELIPEYLNFRGVDSEDLPLNISREMLQQSKILKVRKNLVKCC
LELFTELAEDKENYKFFYEQFSKNIKLGIHEDSQNRKLSSELLRYTTSASGDEMVSCLKDYCTRMKENQKH
IYYITGETKDQVANSFAVERLRKHGLEVIYMIIEPIDEYCVQQLKEFEGKTLVSVTKEGLELPEDEEEKKK
QEEKTKFENLCKIMKDILEKKVEKVVVSNRLVTSPCCIVTSTYGWTANMERIMKAQALRDNSTMGYMAA
KKHLEINPDHSIIETLRQKAEADKNDKSVKDLVILLYETALLSSGFSLEDPQTHANRIYRMIKLGLGIDE
DDPTADDTSAAVTEEMPPLEGDDDDTSRMEEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

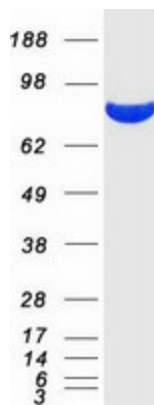
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005339



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RefSeq Size:	2912
RefSeq ORF:	2196
Synonyms:	EL52; HEL-S-65p; HSP86; Hsp89; HSP89A; Hsp90; HSP90A; HSP90N; Hsp103; HSPC1; HSPCA; HSPCAL1; HSPCAL4; HSPN; LAP-2; LAP2
Locus ID:	3320
UniProt ID:	P07900 , K9JA46
Cytogenetics:	14q32.31
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]).