

## Product datasheet for PH318420

### HSP90AA1 (NM\_001017963) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	HSP90AA1 MS Standard C13 and N15-labeled recombinant protein (NP_001017963)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218420
Predicted MW:	98 kDa
Protein Sequence:	>RC218420 representing NM_001017963 Red=Cloning site Green=Tags(s)

MPPCSGGDGSTPPGSLRDRDCPAQSAEYPRDRLDPRPGSPSEASSPPFLRRAPVNWYQEKAQVFLWHLL  
VSGSTLLCLWKQPFHVSAFPVTASLAFRSQGAGQHL YKDLQPFILLRLLMPEETQTQDQPMEEEEVET  
FAFQAEIAQLMSLIINTFYSNKEIFLRELISNSSDALDKIRYESLTDPSKLDGKELHINLIPNKQDRTL  
TIVDTGIGMTKADL INNLGTIAKSGTKAFMEALQAGADISMIGQFVGVFYSAYLVAEKVTVITKHNDDEQ  
YAWESSAGGSFTVRTDTGEPMGRGKVIHLKEDQTEYLEERRIKEIVKKHSQFIGYPITLFVEKERDKE  
VSDDEAEKEDKEEEEKEKEESEDKPEIEDVGSDEEEKKGDKKKKKIKKEYIDQEELNKTPIWTR  
NPDDITNEEYGEFYKSLTNDWEDHLAVKHFVVEGQLEFRALLFVPRRAPFDLFENRKKKNNIKLYVRRVF  
IMDNCEELIPEYLNFRGVDSEDLPLNISREMLQQSKILKVIRKKNLVKKCLELFTELAEDKENYKFFYE  
QFSKNIKLGIHEDSQNRKKLSELLRYTASGDEMVSLLKDYCTRMKENQKHIYYITGETKDQVANSAFVE  
RLRKHGLEVIYMIPEIDEYCVQQLKEFEGKTLVSVTKGLELPEDEEEKKEEKKTKFENLCKIMKDIL  
EKKVEKVVVSNRLVTSPCCIVTSTYGWTANMERIMKAQALRDNSTMGYMAAKKHLEINPDHSIIETLRQK  
AEADKNDKSVKDLVILLYETALLSSGFSLEDPQTHANRIYMIKLGIGIEDDPTADDTSAAVTEEMPPL  
EGDDDTSRMEEVD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

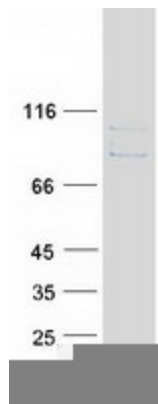
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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.



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RefSeq:	<a href="#">NP_001017963</a>
RefSeq Size:	3880
RefSeq ORF:	2565
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:	<a href="#">P07900</a> , <a href="#">Q86SX1</a>
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# [TP318420]). The protein was produced from HEK293T cells transfected with HSP90AA1 cDNA clone (Cat# [RC218420]) using MegaTran 2.0 (Cat# [TT210002]).