

## Product datasheet for PH301070

### HSP90AB1 (NM\_007355) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	HSP90AB1 MS Standard C13 and N15-labeled recombinant protein (NP_031381)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201070
Predicted MW:	83.1 kDa
Protein Sequence:	>RC201070 representing NM_007355 Red=Cloning site Green=Tags(s)

MPEEVHGGEEVETFAFQAEIAQLMSLIINTFYSNKEIFLRELISNASDALDKIRYESLTDPSKLDGKELKIDIIIPNPQERTLTLVDTGIGMTKADLNNLGTIAKSGTKAFMEALQAGADISMIGQFVGVFYSAYLVAEKVVVITKHNDDEQYAWESSAGGSFTVRADHGEP IGRGTVILHLKEDQTEYLEERRVKEVVKKHSQFIGYPITLYLEKEREKEISDDEAEKEEKEEEDKDDDEKPKIEDVGSDEEDDSGKDKKKKTKIKEKYIDQEELNKTKPIWTRNPDDITQEEYGEFYKSLTNDWEDHLAVKHFSVEGQLEFRALLFIPRRAPFDLFENKKNKNNIKLYVRRVIMDSCDEL IPEYLNFRIGVVDSEDLPLNISREMLQQSKILKVIKKNIVKKCLELFSLEAEDKENYKFFYEAFSKNLKLG I HEDSTNRRRLSELLRYHTSQSGDEMTSLSEYVSRMKETQKSIYYITGESKEQVANSFAFVERVRKRGFEVVMTEPIDEYCVQQLKEFDGKSLVSVTKEGLELPEDEEEKKKMEESKAKFENLCKLMKEILDKKVEKVTISNRLVSSPCCIVTSTYGWTANMERIMKAQALRDNSTMGYMMAKKHLEINPDHPIVETLRQKAEADKNDKAVKDLVLLFETALLSSGFSLEDQPQTHSNRIYRMIKLG LGIDEDVEAAEENAAVPDEIPPLEGDEDEDASRMEEVD

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:	<a href="#">NP_031381</a>



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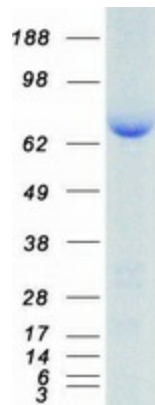
RefSeq Size:	2567
RefSeq ORF:	2172
Synonyms:	D6S182; HSP84; HSP90B; HSPC2; HSPCB
Locus ID:	3326
UniProt ID:	<a href="#">P08238</a> , <a href="#">A0A024RD80</a>
Cytogenetics:	6p21.1

**Summary:** This gene encodes a member of the heat shock protein 90 family; these proteins are involved in signal transduction, protein folding and degradation and morphological evolution. This gene encodes the constitutive form of the cytosolic 90 kDa heat-shock protein and is thought to play a role in gastric apoptosis and inflammation. Alternative splicing results in multiple transcript variants. Pseudogenes have been identified on multiple chromosomes. [provided by RefSeq, Dec 2012]

**Protein Families:** Druggable Genome, Stem cell - Pluripotency

**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 HSP90AB1 protein (Cat# [TP301070]). The protein was produced from HEK293T cells transfected with HSP90AB1 cDNA clone (Cat# [RC201070]) using MegaTran 2.0 (Cat# [TT210002]).