

Product datasheet for **SC112678**

HSP90AA1 (NM_005348) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSP90AA1 (NM_005348) Human Untagged Clone
Tag:	Tag Free
Symbol:	HSP90AA1
Synonyms:	EL52; HEL-S-65p; HSP86; Hsp89; HSP89A; Hsp90; HSP90A; HSP90N; Hsp103; HSPC1; HSPCA; HSPCAL1; HSPCAL4; HSPN; LAP-2; LAP2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC112678 sequence for NM_005348 edited (data generated by NextGen Sequencing)

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ATGCCTGAGGAAACCCAGACCCAAGACCAACCGATGGAGGAGGAGGAGGTTGAGACGTT
GCCTTTTCAGGCAGAAATTGCCAGTTGATGTCATTGATCATCAATACTTTCTACTCGAAC
AAAGAGATCTTTCTGAGAGAGCTCATTTCAAATTCATCAGATGCATTGGACAAAATCCGG
TATGAAAGCTTGACAGATCCCAGTAAATTAGACTCTGGGAAAGAGCTGCATATTAACCTT
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GCTGACTTGATCAATAACCTTGGTACTATCGCCAAGTCTGGGACCAAAGCGTTTCATGGAA
GCTTTGCAGGCTGGTGCAGATATCTCTATGATTGGCCAGTTTCGGTGTGGTTTTTATTCT
GCTTATTTGGTTGCTGAGAAAGTAACTGTGATCACCAAACATAACGATGATGAGCAGTAC
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GACAACTCAACAATGGGTTACATGGCAGCAAAGAAAACCTGGAGATAAACCCCTGACCAT
TCCATTATTGAGACCTTAAGGCAAAAGGCAGAGGCTGATAAGAACGACAAGTCTGTGAAG
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CCCCAGACACATGCTAACAGGATCTACAGGATGATCAAACCTGGTCTGGGTATTGATGAA
GATGACCCTACTGCTGATGATACAGTGCTGCTGTAAGTGAAGAAATGCCACCCCTTGAA
GGAGATGACGACACATCACGCATGGAAGAAGTAGACTAA

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Clone variation with respect to NM_005348.3
1080 c=>y

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005348 unedited GCCTATCCCACGAGGGCTGTGCTGTTGGTCTGTGCGGTCACTTAGCCAATTGCCTGAG GAAACCCATACCCAANACCAACCGATGGAGGAGGAGGTTGAGACGTTTCGCCTTTTCAG CAGAATTGCCAGTTGTGTCATTGTGCATCAATACTTTCTACTCGTCAAATAGATTTTCTG AGAGAGCTCATTTCAAATTCATCAGATGCATTGGACAAAATCCGGTATGAAAGCTTGACA GATCCCAGTAAATTATACTCTGGGAAAGAGCTGCATATTAACCTTATACCGAACAAACAA GATCGAACTCTCACTATTGTGGATACTGGAATTGGAATGACCAAGGCTGACTTGATCAAT AACCTTGGTACTATCGCCAAGTCTGGGACCAAAGCGTTCATGGAAGCTTTGCAGGCTGGT GCAGATATCTCTATGATTGGCCAGTTCGGTGTGGTTTTTATTCTGCTTATTTGGTTGCT GAGAAAGTAACTGTGATCACAAACATAACGATGATGAGCAGTACGCTTGGGAGTCTCA GCAGGGGATCATTACAGTGGAGACAGACAGGTGAACCTATGGGTCGTGGAACAAAA GTTATCTACACCTGAAAGAAGACCAAACCTGAGTACTTGGAGGAACGAAGAATAAAGGAG ATTGTGAAGAACATTCTCAGTTTATTGGATATCCCACTACTCTTTTGTGGAGAAGGGA CGTGATTAAGAAGTAAGCGATGATGAGGCTGAGAAAAGGAAGACAAGNAGGAGAAAAAG AAAAGAGGAGAAGAGTCGAAAAACA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005348 unedited GGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCTTTAACT CATCTGTATTTGTTACAACCTTAAAGCAAATGGGACTCGAGCACTACATTTCCATCCACAA GACTGGGCTGAGTTATTTTTGAACAGCTTTACGATATGCTTAGGTAGGCTTTTAACTTT GCTCCTCAAACAATACTTTTCTTTGAAAACAAGCCCTGGGGAGAGATCCTTCCATCAA GTTGCTTCAGTTTAACTATTTCTAGAGGACTAGTACATGCAGAATTGTCAACTACAGGG AATGAAAAGTTCGAAAAGTAGATCCTACAAGATGTAACGAATACTTTTCTAAACATCAAG ATACAGCTCAAAACACTTCAATAACAAGATTTGGTCTACTTAGGCATCCGGCTTGACAGC TAAACACTTTAGACCACAAAGTTAACATCATGTTACATACGTCTTACAGGGCACGTTACC CCAATCTGTGAAAATAAACCAACATGAAACTCAAAAAGCATTACTAGCTCTGCTTTAGTG CCTAAGGTATCACAGCATCACTTAGTAGACAGAAATCTTATCTTCCCCTTAAAGTAGTTG TCATGCCATACAGACTTTTTAATATTACAAAAATAAGAAAAACATCCTTGAAAAATAT TATCAGAGGAATTGTAGAGTACTGAACAGGTAAGTCATCCCTCAGCCAGAGATTAGTCTA CTTCTTCCATGCGGGATGTGTCGTCATCTCCTTCAGGGTGGCATTCTTTCATTACAGCA GCCTGGTATATCAGCAGTAGGGTCATCTTCATCATAACCCAGACAAGNNTGATCTCCTGT ANAATCTGTANCATGTGTCTGGGATCTTCAACTGAGCCANAGACAGACGAGTTCTAAGC AGAGACAGATCTCAGACTTGCCTCTATAGCTTGCCTTGCCTAGGCTATATGGAGGGAGG TTT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_005348
Insert Size:	2950 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_005348.2 , NP_005339.2
RefSeq Size:	2912 bp
RefSeq ORF:	2199 bp
Locus ID:	3320
UniProt ID:	P07900
Cytogenetics:	14q32.31
Domains:	HSP90, HATPase_c
Protein Families:	Druggable Genome
Protein Pathways:	Antigen processing and presentation, NOD-like receptor signaling pathway, Pathways in cancer, Progesterone-mediated oocyte maturation, Prostate cancer
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) is shorter at the N-terminus compared to isoform 1.</p>