

## Product datasheet for **RN206060**

### Hsp90ab1 (NM\_001004082) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hsp90ab1 (NM_001004082) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hsp90ab1
Synonyms:	HSP90-BETA; HSP90B; HSPC2; Hspcb
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN206060 representing NM\_001004082  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCTGAGGAAGTGCACCATGGAGAGGAAGAGGTGGAGACCTTCGCCTTTCAGGCAGAAATGCCAGC  
 TGATGTCCCTCATCATCAACACTTCTACTCAAACAAAGAGATTTTCTCCGGGAGTTGATCTCTAATGC  
 TTCTGATGCCCTGGACAAGATTCGGTATGAGAGCCTGACTGACCTTCCAAGTTGGACAGCGGAAAGAG  
 CTGAAGATTGACATCATCCCAACCCCTCAGGAACGCACGCTGACTTTGGTGGACACAGGCATTGGCATGA  
 CCAAGGCTGACCTATAAATAACTTGGGAACCATTTGCTAAGTCTGGTACAAAGCGTTTATGGAGGCTCT  
 CCAGGCTGGTGCAGACATCTCCATGATTGGGCAGTTTGGTGTCCGCTTCTACTCTGCCTACCTGGTGGCA  
 GAGAAAGTGGTTGTGATCACGAAGCACAACGATGATGAGCAGTATGCCTGGGAGTCTTCTGCTGGTGGAT  
 CCTTCACTGTCCGTGCAGACCACGGTGAAGCCATTGGCCGGGTACCAAAGTGATCCTTCACTCAAAGA  
 AGACCAGACAGAGTACTTAGAGGAGAGGAGGGTCAAGGAGTGGTGAAGAAACACTCACAGTTCATAGGC  
 TACCCCATCACCTCTATCTGGAGAAGGAACGCGAGAAGGAGATCAGTGTGATGAGGCAGAGGAAGAGA  
 AAGGGGAGAAGGAGGAGGAAGATAAGGAGGATGAGGAGAAGCCTAAGATTGAGGATGTGGGATCTGTGA  
 GGAGGATGACAGCGGCAAGATAAGAAAAAGAAAACAAAGAAGATCAAGGAGAAGTACATTGACCAGGAA  
 GAGCTGAATAAGACGAAGCCATCTGGACCAGAAATCCTGATGACATCAAGAGGAATATGGTGAAT  
 TCTACAAGAGCCTACCAATGACTGGGAAGACCACTTGGCAGTCAAGCACTTCTCTGTAGAAGGGCAGTT  
 GGAATTCAGGGCATTGCTCTTATTCCCGCGGAGCTCCCTTTGACCTCTTTGAGAACAAGAAGAAGAAG  
 AACAACATCAAATTGTATGTCCGTGTTGTTTATCATGGACAGCTGTGATGAGCTGATACCTGAGTACC  
 TCAACTTCATCCGTGGTGTGGTTGATTCCGAGGACCTGCCTCTGAACATCTCCGAGAAATGCTCCAGCA  
 GAGCAAGATCCTGAAAGTCATCCGCAAAAACATTTGTGAAGAAGTGCCTTGAGCTCTTCTGTAGTTGGCT  
 GAAGACAAAGAGAACTACAAGAAATTTTATGAGGCATTCTCTAAGAATTTAAAGCTTGAATCCATGAGG  
 ATTCCACTAACCGTCGCCGCTCTCTGAGCTCCTCGCTACCATACCTCTCAGTCTGGAGATGAGATGAC  
 TTCCCTGTGAGATATGTGTCTCGCATGAAGGAGACACAGAAGTCCATCTACTATCACTGGTGGAGAGC  
 AAAGAGCAGGTGGCAACTCTGCCTTCGTGGAGCGTGTGCGGAAACGGGGCTTTGAGGTGGTATACATGA  
 CTGAGCCCATTTGATGAGTACTGCGTACAGCAGCTCAAGGAGTTCGATGGCAAGAGCCTGGTCTCCGTGAC  
 CAAGGAGGGCCTGGAGCTACCAGAGGATGAGGAAGAGAAGAAAAAATGGAGGAGAGCAAGGCAAAGTTT  
 GAGAATCTCTGCAAGCTCATGAAGGAGATCTTGGACAAGAAGGTTGAAAAAGTACTATCTCCAATAGGC  
 TTGTGTCTTCCCCTGTGCATTGTGACCAGCACCTACGGCTGGACAGCCAACATGGAACGGATTATGAA  
 GGCCAGGCACTGCGGGCAACTCGACAATGGGCTACATGATGGCCAAGAAACACCTAGAGATCAACCCCT  
 GACCACCCATTGTGGAGACTCTGCGGCAGAAGGCTGAGGCAGACAAAAACGACAAAGCTGTCAAAGACC  
 TGGTGGTGTGCTGTTTGGAGACTGCTCTGCTCTCCTCTGGCTTCTCACTTGAAGACCCCAACCCACTC  
 CAACCGCATCTACCGCATGATTAAGTGGCCTGGGCAATTGATGAAGATGAGGTCAGTGCAGAAAGAGCCC  
 AGTGTGCTGTTCCCGATGAGATCCCCCACTGGAGGGTATGAGGATGCCTCTCGCATGGAAGAAGTGG  
 AT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001004082

**Insert Size:** 2175 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).

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001004082.3</a></u> , <u><a href="#">NP_001004082.3</a></u>
<b>RefSeq Size:</b>	2338 bp
<b>RefSeq ORF:</b>	2175 bp
<b>Locus ID:</b>	301252
<b>UniProt ID:</b>	<u><a href="#">P34058</a></u>
<b>Cytogenetics:</b>	9q12
<b>Gene Summary:</b>	heat shock protein; displays chaperone activity; binds to peptides and facilitates their appropriate transport and/or secondary structure [RGD, Feb 2006]