

Product datasheet for **RR206060**

Hsp90ab1 (NM_001004082) Rat Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>RR206060 representing NM_001004082
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTGAGGAAGTGCACCATGGAGAGGAAGAGGTGGAGACCTTCGCCTTTCAGGCAGAAATGCCAGC
 TGATGTCCCTCATCATCAACACTTTCTACTCAAACAAAGAGATTTTCTCCGGGAGTTGATCTCTAATGC
 TTCTGATGCCCTGGACAAGATTCGGTATGAGAGCCTGACTGACCTTCCAAGTTGGACAGCGGAAAGAG
 CTGAAGATTGACATCATCCCAACCCTCAGGAACGCACGCTGACTTTGGTGGACACAGGCATTGGCATGA
 CCAAGGCTGACCTATAAATAACTTGGGAACATTGCTAAGTCTGGTACAAAGCGTTTATGGAGGCTCT
 CCAGGCTGGTGCAGACATCTCCATGATTGGGCAGTTTGGTGTCCGCTTCTACTCTGCCTACCTGGTGGCA
 GAGAAAGTGGTTGTGATCACGAAGCACAACGATGATGAGCAGTATGCCTGGGAGTCTTCTGCTGGTGGAT
 CCTTCACTGTCCGTGCAGACCACGGTGAAGCCATTGGCCGGGTACCAAAGTGATCCTTCACTCAAAGA
 AGACCAGACAGAGTACTTAGAGGAGAGGAGGGTCAAGGAGTGGTGAAGAAACACTCACAGTTCATAGGC
 TACCCCATCACCTCTATCTGGAGAAGGAACGCGAGAAGGAGATCAGTGTGATGAGGCAGAGGAAGAGA
 AAGGGGAGAAGGAGGAGGAAGATAAGGAGGATGAGGAGAAGCCTAAGATTGAGGATGTGGGATCTGTGA
 GGAGGATGACAGCGGCAAGATAAGAAAAAGAAAAAAAGAAAGATCAAGGAGAAGTACATTGACCAGGAA
 GAGCTGAATAAGACGAAGCCATCTGGACCAGAAATCCTGATGACATCACTCAAGAGGAATATGGTGAAT
 TCTACAAGAGCCTACCAATGACTGGGAAGACCACTTGGCAGTCAAGCACTTCTCTGTAGAAGGGCAGTT
 GGAATTCAGGGCATTGCTCTTATTCCCGCGGAGCTCCCTTTGACCTCTTTGAGAACAAGAAGAAGAAG
 AACAACATCAAATTGTATGTCCGTGCTGTTTATCATGGACAGCTGTGATGAGCTGATACCTGAGTACC
 TCAACTTCCGTGGTGTGGTTGATTCCGAGGACCTGCCTCTGAACATCTCCGAGAAATGCTCCAGCA
 GAGCAAGATCCTGAAAGTCAATCCGCAAAAACATTGTGAAGAAAGTGCCTTGAGCTCTTCTCTGAGTTGGCT
 GAAGACAAAGAGAACTACAAGAAATTTTATGAGGCATTCTCTAAGAATTTAAAGCTTGAATCCATGAGG
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 TTCCCTGTGAGATATGTGTCTCGCATGAAGGAGACACAGAAGTCCATCTACTATCACTGGTGGAGAGC
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 CTGAGCCATTGATGAGTACTGCGTACAGCAGCTCAAGGAGTTCGATGGCAAGAGCCTGGTCTCCGTGAC
 CAAGGAGGGCCTGGAGCTACCAGAGGATGAGGAAGAGAAGAAAAAATGGAGGAGAGCAAGGCAAAGTTT
 GAGAATCTCTGCAAGCTCATGAAGGAGATCTTGGACAAGAAGGTTGAAAAAGTACTATCTCCAATAGGC
 TTGTGTCTTCCCCTGTGCATTGTGACCAGCACCTACGGCTGGACAGCCAACATGGAACGGATTATGAA
 GGCCAGGCACTGCGGGCAACTCGACAATGGGCTACATGATGGCCAAGAAACACCTAGAGATCAACCTT
 GACCACCCATTGTGGAGACTCTGCGGCAGAAGGCTGAGGCAGACAAAAACGACAAAGCTGTCAAAGACC
 TGGTGGTGTGCTGTTTGGAGACTGCTCTGCTCTCCTCTGGCTTCTCACTTGAAGACCCCAACCCACTC
 CAACCGCATCTACCGCATGATTAAGTGGCCTGGGCATTGATGAAGATGAGGTCCTGCAGAAAGAGCCC
 AGTGCTGCTGTTCCCGATGAGATCCCCCACTGGAGGGTATGAGGATGCCTCTCGCATGGAAGAAGTGG
 AT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR206060 representing NM_001004082
 Red=Cloning site Green=Tags(s)

MPEEVHHGEEEVETFAFQAEIAQLMSLIINTFYNSKEIFLRELISNASDALDKIRYESLTDPSKLDGSGKE
 LKIDIIPNPQERTLTLVDTGIGMTKADLINNLTIAKSGTKAFMEALQAGADISMGQFGVGFYSAYLVA
 EKVVVITKHNDEQYAWESSAGGSFTVRADHGEP IGRGTVILHLKEDQTEYLEERRRVKEVVKHSQFIG
 YPITLYLEKEREKEISDDEAEKEEKEEEDKEDEEKPKIEDVGSDEEDDSGKDKKKKTKIKEKYIDQE
 ELNKTKEIWRNPDDITQEEYGEFYKSLTNDWEDHLAVKHF SVEGQLEFRALLFIPRRAPFDL FENKKKK
 NNIKLYVRRVFIMDSCDELIPEYLNFRGVVDSDELPLNISREMLQQSKILKVKIRKNI VVKCLELFS
 ELAEDKENYKFFYAFSKNLKLG IHDSTNRRRLSELLRYHTSQSGDEMTSLSEYVSRMKETQKSIYYITGES
 KEQVANSFAFVERVRKRGFEVVMTEPIDEYCVQQLKEFDGKSLSVTKEGLELPEDEEEKKKMEESKAKF
 ENLCKLMKEILDKKVEKVTISNRLVSSPCCIVTSTYGWTANMERIMKAQALRDNSTMGYMMAKKHLEINP
 DHPIVETLRQKAEADKNDKAVKDLVLLFETALLSSGFSLEDPQTHSNRIYRMIKLGLGIDEDEVTAEEP
 SAAVPDEIPPLEGDEDASRMEEVD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001004082

ORF Size: 2172 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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_001004082.3](#), [NP_001004082.3](#)

RefSeq Size: 2338 bp

RefSeq ORF: 2175 bp

Locus ID: 301252

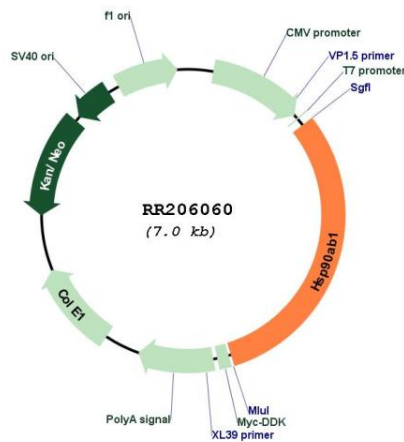
UniProt ID: [P34058](#)

Cytogenetics: 9q12

MW: 83.3 kDa

Gene Summary: heat shock protein; displays chaperone activity; binds to peptides and facilitates their appropriate transport and/or secondary structure [RGD, Feb 2006]

Product images:



Circular map for RR206060