

Product datasheet for **RR205086**

Hspbp1 (NM_139261) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Hspbp1 (NM_139261) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Hspbp1
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR205086 representing NM_139261
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGCAGACAAAGGCTCAGGGGGCAGTCGCTCCCCCTCGCACTGCCTCCGGCCTCCAGGGTTGCTCGT
 CAGGGAGCAGTGGCTCCTCGCGGGGGGCTCAGGCAACCCTCGCCTTCCACGGAACCTCCAAGGCCTGCT
 GCAGATGGCTATTACTGCGGGCTCTGAGGAACCAGACCCTCCTCCAGAACCATGAGCGAGGAGAGACGC
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 GCCTCCGGGTCTTGTCCAGGCCACACCCCAACTGCTGGTGAAGCTGAACTGGCCACTGACCAGCAGGA
 GCGTGAAGGGGCACTAGAGCTGCTGGCAGACCTGTGCGAGAACATGGACAATGCGGCAGATTTCTGCCAG
 CTGTCAGGCATGCACCTGCTGGTGGGTCGATACCTGGAGGCAGGAGCTGCAGGGCTGCGTTGGAGGGCAG
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 GCGTAAGCTACTTCGGCTGCTCGACCGGGACTCCTGCGACACGGTACGAGTCAATGCTCTCTTCGCCATC
 TCCTGTCTTGTCCGAGAGCAGGAGGCTGGATTGCTGCAGTTCCTCCGCCTGGATGGATTCTCAGTGTGA
 TGCGGGCCATGCAGCAGCAAGTGCAGAAGCTCAAGGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT
 GGGCCACCCTGAGCACAAGGAACCTTTGCTCCATGGGGATGGTCCAGCAGCTGGTGGCCCTTGTGAGG
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 GTGTTTCGAGAATGCCGGGAGCCTGAGCTGGGCCTGGAGGAACTGCTCCGTATCGCTGCCAGCTGCTGCA
 GCAGCATGAGGAGTACCAGGAGGAGCTGGAGTTCTGTGAAAAGCTGTTACAGACCTGTTTCTCCAGCCCT
 ACGGATGACAGCATGGATCGG

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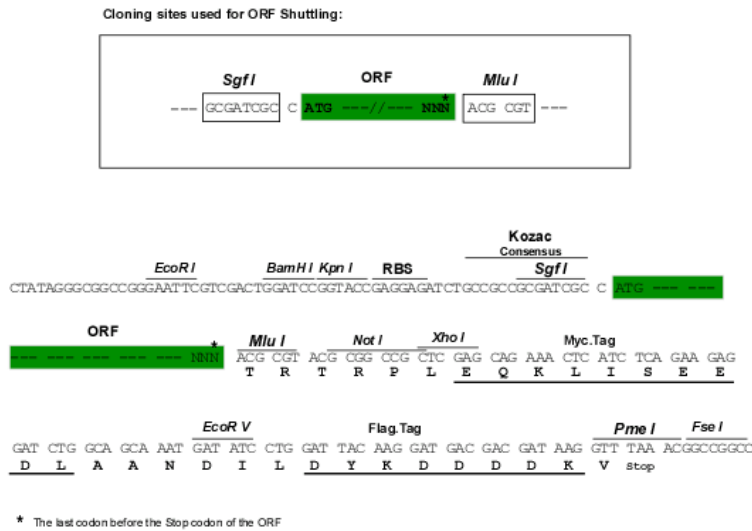
Protein Sequence: >RR205086 representing NM_139261
Red=Cloning site Green=Tags(s)

MADKGGSGSRLPLALPPASQGCSSGSSGSSAGGSGNPRLPRNLQGLLQMAITAGSEEPDPPPEPMSEERR
 QWLQEAMSAAFRQREEVEQMKNCLRVL SQATPPTAGEAELATDQQEREGALELLADLCENMDNAADFQ
 LSGMHLLVGRYLEAGAALRWAAQLIGTCSQNVAIQEQVLGLGALRKLRLDRDSCDTVRVNLFAI
 SCLVREQEAGLLQFLRLDGF SVLMRAMQQVQKLVKSAFLLQNLLVGHPEHKGTLC SMGMVQQLVALVR
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 TDDSMR

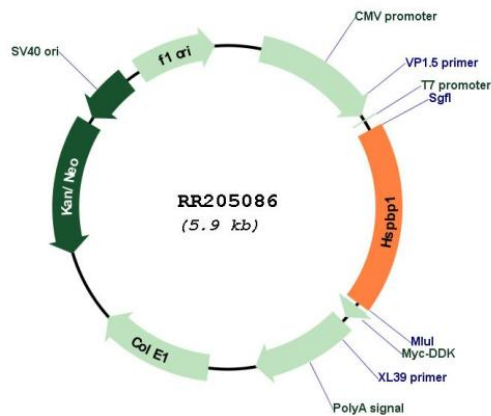
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_139261

ORF Size:	1071 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:	<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_139261.1 , NP_640354.1
RefSeq Size:	1465 bp
RefSeq ORF:	1074 bp
Locus ID:	246146
UniProt ID:	Q6IMX7
Cytogenetics:	1q12
MW:	39.2 kDa
Gene Summary:	inhibits chaperone activity by preventing ATP binding [RGD, Feb 2006]