

## Product datasheet for RR202726

### Hspb8 (NM\_053612) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hspb8 (NM\_053612) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Hspb8  
**Synonyms:** Cryac; Hsp22  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR202726 representing NM\_053612  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGCTGACGGGCAATTGCCTTCCCGTGTCTACCCAAGCCGCTTGCGCCGAGACCCCTTTCGGGACT  
 CACCGCTCTTCCCGCCTGCTGGACGATGGCTTTGGCATGGACCCCTTCCAGACGACTTGACAGCCCC  
 TTGGCCCGAGTGGGCTTTCCTCGGCTCTCTCTGCTGGCTGGAACCTAAGGTCTGGCATGGTACCC  
 CGAGGGCCTACAGCCACAGCCAGGTTTGGGGTACCTGCTGAGGGTAGGAACCCCCACCCTTCCCTGGGG  
 AGCCCTGGAAAGTGTGTCAATGTGCACAGCTCAAGCCGGAAGAAGTATGGTAAAGACCAAGGATGG  
 ATACGTGGAAGTGTGAGGAAGCACGAAGAGAAGCAGCAAGAAGGTGGGATTGTCTCCAAGAAGTTCACC  
 AAGAAAATACAGCTTCTGCAGAAGTGGATCCAGTGACTGATTTGCCTCACTTCTCCAGAGGGTCTGC  
 TCATCATTGAGGCTCCCCAGGTCCTTACTCACCCTTTGGAGAGAGCAGCTTAAACAACGAGCTTCC  
 TCAAGACAACCGAAGTACCTGCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR202726 representing NM\_053612  
 Red=Cloning site Green=Tags(s)

MADGQLPFPCSYPSRLRRDPFRDPSLSSRLLDDGFGMDPFPDDL TAPWPEWALPRLSSAWPGTLRSGMVP  
 RGPTATARFGVPAEGRNPPFPGEPPWKVCYNVHSFKPEELMVKTKDGYVEVSGKHEEKQEGGIVSKNFT  
 KKIQLPAEVDPTVFASLSPEGLLIIEAPQVPPYSPFGESSFNNELPQDNQEVTC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

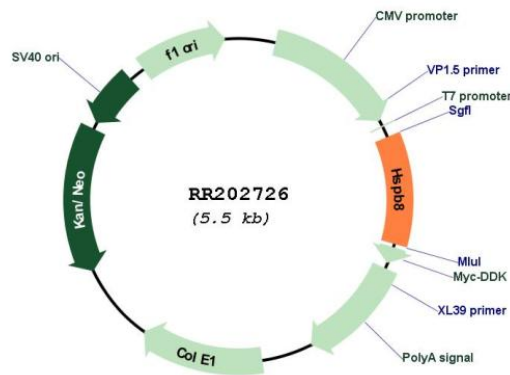


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_053612

ORF Size: 588 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\\_053612.2](#), [NP\\_446064.1](#)

**RefSeq Size:** 1795 bp

**RefSeq ORF:** 591 bp

**Locus ID:** 113906

**UniProt ID:** [Q9EPX0](#)

**Cytogenetics:** 12q16

**MW:** 21.6 kDa

**Gene Summary:** human homolog binds Hsp27 and may play a role in muscle function and integrity [RGD, Feb 2006]