

## Product datasheet for RC210903

### b9HSP (HSPB9) (NM\_033194) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** b9HSP (HSPB9) (NM\_033194) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** b9HSP  
**Synonyms:** CT51  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC210903 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGAGAGTCGGTAAACACCTTCTCCAACGAGAGCCGGGTGGCATCCCGGTGTCCAGCGTGGGCCTTG  
CTGAACCGAACCGGTGGCCACAATGCCGGTGGCTGCTCAGGGACAGTCCAGCGGCTCAGGAGGACAA  
TGACCATGCCAGAGACGGTTTCAAATGAAGCTGGATGCCACGGCTTCGCCCGGAGGAACTGGTGGT  
CAGGTGGATGGCAATGGCTGATGGTGACCGGACAGCAGCAACTGGACGTGAGGACCCGAAAGGGTCA  
GTTACCGCATGTCACAGAAGGTGCACCGAAAAATGCTCCCGTCCAACCTGAGTCTACCGCCATGACCTG  
CTGCCTGACCCCTCCGGGCAGCTGTGGGTGAGAGGCCAGTGTGTGGCGCTGGCCCTCCCTGAAGCCCAA  
ACAGGACCGTCCCGGAGACTCGGAGCCTCGGCTCTAAGGCTTCAACCTGACCCGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC210903 protein sequence  
Red=Cloning site Green=Tags(s)

MQRVGNTFSNESRVASRCPVGLAERNRVATMPVRLLRDSPAQEDNDHARDGFQMKLDAHGFAPEELVV  
QVDGQWLMVTGQQQLDVRDPERVSYRMSQKVHRKMLPSNLSPATMTCCLTPSQQLWVRGQCVLALPEAQ  
TGPSPRLGSLGSKASNLTR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

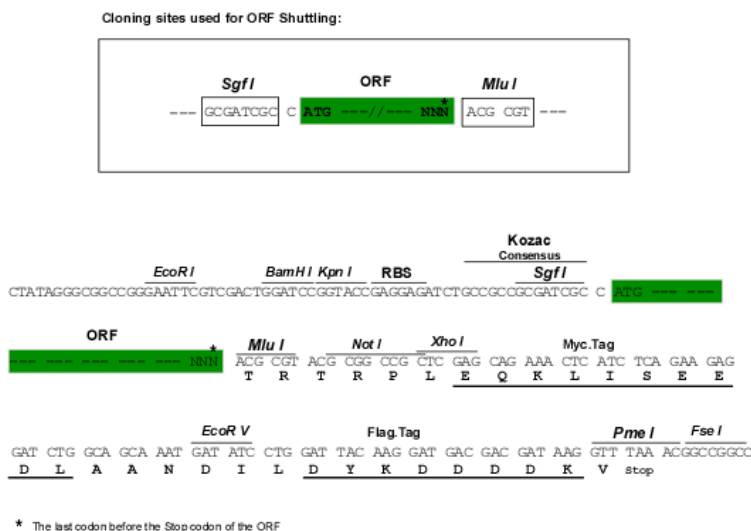
**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6383\\_d06.zip](https://cdn.origene.com/chromatograms/mk6383_d06.zip)



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_033194

ORF Size: 477 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.

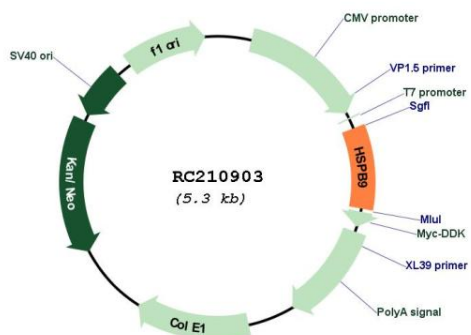
RefSeq: [NM\\_033194.3](#)

RefSeq Size: 616 bp

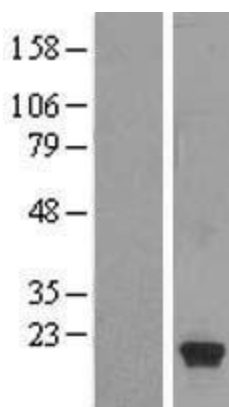
RefSeq ORF: 480 bp

Locus ID: 94086

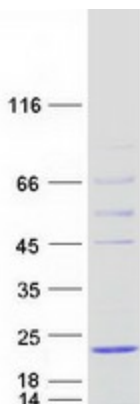
UniProt ID: [Q9BQS6](#)  
 Cytogenetics: 17q21.2  
 MW: 17.5 kDa

**Product images:**


Circular map for RC210903



Western blot validation of overexpression lysate (Cat# [LY409672]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210903 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified HSPB9 protein (Cat# [TP310903]). The protein was produced from HEK293T cells transfected with HSPB9 cDNA clone (Cat# RC210903) using MegaTran 2.0 (Cat# [TT210002]).

