

## Product datasheet for **RR211803**

### Hsbp1 (NM\_173119) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hsbp1 (NM\_173119) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Hsbp1  
**Synonyms:** Hsp25  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RR211803 representing NM\_173119  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCGAGACGGACCCCAAGACAATGCAGGACATCACCTTGGTGGTGGAGACGCTCTTGACGAGATGC  
 AAGACAAGTTTCAGATTATGTCGGATCAGATCATCGGAAGGATCGATGACATGAGCAGCCGAATCGATGA  
 CCTGGAGAAAAATATCGCTGACCTCATGACCCAGGCTGGAGTAGAAGAACTGGACGCTGAGAACAAGATT  
 CCTACTGCCAGAAGAGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR211803 representing NM\_173119  
 Red=Cloning site Green=Tags(s)  
 MAETDPKTMQDITLVVETLLQQMQDKFQIMSDQIIGRIDDMSSRIDDLEKNIADLMTQAGVEELDAENKI  
 PTAQKS

**TR**TRPLE**QKL**ISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI


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## Cloning Scheme:



ACCN: NM\_173119

ORF Size: 228 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.

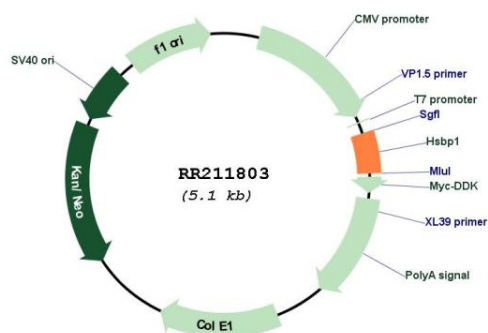
RefSeq: [NM\\_173119.2](#), [NP\\_775142.1](#)

RefSeq Size: 1201 bp

RefSeq ORF: 231 bp

|               |   |
|---------------|---|
| Locus ID:     | 286899  |
| UniProt ID:   | <a href="#">Q8K3X8</a>  |
| Cytogenetics: | 19q12   |
| MW:           | 8.6 kDa   |
| Gene Summary: | Negative regulator of the heat shock response. Negatively affects HSF1 DNA-binding activity. May have a role in the suppression of the activation of the stress response during the aging process (By similarity).[UniProtKB/Swiss-Prot Function] |

## Product images:



Circular map for RR211803