

## Product datasheet for **RR210514**

### **Hsf2 (NM\_031694) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Hsf2 (NM_031694) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hsf2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR210514 representing NM\_031694  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAGCAGAGTTCCAACGTGCCGGCTTCTCAGCAAGCTGTGGACGCTTGTAGAGGAAACCCACACTA  
 ACGAGTTCATCACCTGGAGTCAGAAATGGACAAAGTTTTCTGGTCTTGGATGAGCAAAGATTTGCAAAGGA  
 AATTCTCCCAAGTACTTCAAACACAATAACATGGCAAGCTTTGTGAGACAGCTAAATATGTATGGCTTC  
 CGTAAAGTAGTACATATCGAATCTGGAATTGTCAAACAGGAAAGAGATGGCCCTGTTGAATTTACGATC  
 CTCATTTCAAACAAGGCCAGGATGACTTGTGGAGAACATTAAGGAAGGTTTCGTTCAAACCAGAG  
 GGAAAATAAAATTCGTCAGGAAGATTTAACAAAAATTATTAGTAGTGCCAGAGTTCAAATAAAACAA  
 GAAACTATTGAGTCCAGGCTTTCAGAATTAAGGAAGTGAATGAATCCCTTTGGAAGGAGGTGTAGAGT  
 TAAGAGCGAAGCATGCACAGCAGCAGCAAGTTATTCGAAAGATTGTCCAGTTTATTGTTACATTGGTTCA  
 GAATAATCAACTTGTGAGTTTAAACGTAAAAGGCCTCTACTTCTAAACACAAATGGAGCCCCAAAGAAG  
 AATCTATTTACGACATAGTCAAAGAACCAACCGATAATCACCATCATAAAGTTCACACAGCAGAACTG  
 AAGGTTTAAAGTCAAGAGAACGGATTTACAGATGACATAATTATTTATGATGTTACTGAGGATAATGTGGA  
 TGAAGAAAATATCCAGTTATTCAGAAACAAATGAGGATGTTGTAGTTGATCCCTCCAGCCAGTATCCT  
 GACATTGTCTATTGTTGAAGATGACAATGAGGATGAGTACGCTCCTGTCTCAGAGTGGAGAGCAGAGTG  
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 CTCAAACCTGACCTCAGAAGACCCTGTGACCATGATGGATTCCATTCTGAATGACAACATTAACCTTTTA  
 GGAAAGGTTGAGCTGTTGGATTACCTTGACAGTATTGATTGCAGTTTAGAGGACTTCCAAGCTATGCTCT  
 CAGGAAGACAGTTTAGCATAGACCAGACCTTCTGGTTGATTCTGAGAATAAGGGATTAGAAGCTACCAA  
 GAACAGTGTGTTCAACAAGTTTCAGAAGAGGGAAGAAAATCTAAATCCAAGCCAGATAAACAGCTTATC  
 CAGTACACTGCCTTCCACTTCTCGCATTCTTGTGATGGGAACCCTGCATCTGCTGTTGAACAGGGGACTA  
 CAACAGCATCGTCAGAAGTTGTACCCTCTGTAGATAAGCCTATAGAAGTTGATGAGCTCCTGGATAGCAA  
 CCTAGACCAAGAACCAACCCAAAGTAAGCTTGTCCGCCTGGAACCACTGACTGAAGCAGAAGCCAGTGAA  
 GCCACACTGTTCTACTTATGTGAACTCGCTCCTGCGCCCTGGATAGTGATATGCCCTTTTAGATAGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR210514 representing NM\_031694  
 Red=Cloning site Green=Tags(s)

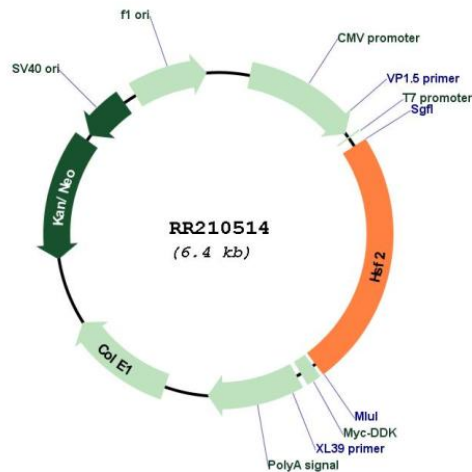
MKQSSNPVAFLSKLWTLVEETHNEFITWSQNGQSFLVLDEQRFAKEILPKYFKHNNMASFVRQLNMYGF  
 RKVVHIESGIVKQERDGPVEFQHPHFQKQDDLLENIKRKYSSSKPEENKIRQEDLTKIISSAQKVQIKQ  
 ETIESRSELKSENESESLWKEVSELRAKHAQQQVIRKIVQFIVTLVQNNQLVSLKRKRPLLLNTNGAPK  
 NLFQHIVKEPTDNHHHKVPHSRTEGLKSRERISDDIIYDVTEDNVDEENIPVIPETNEDVVVDPSQYP  
 DIVIVEDDNEDEYAPVIQSGEQSEPARVGSASSSPLMSSAVQLNGSSNLTSQEDPVTMMDSILNDNINLL  
 GKVELLDYLDSDCSLEDFQAMLSGRQFSIDPDLLVDSQENKLEATKNSVVQQVSEEGRSKSKPKDQLI  
 QYTAFLPLAFLDGNPASAQVETTTASSEVVPSVDKPIEVDLDSNLDQEPQSKLVRLEPLTEAEASE  
 ATLFYLCELAPAPLDSMPLLD

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_031694

**ORF Size:** 1539 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\\_031694.2](#), [NP\\_113882.1](#)

**RefSeq Size:** 2570 bp

**RefSeq ORF:** 1542 bp

**Locus ID:** 64441

**Cytogenetics:** 20q12

**MW:** 57.7 kDa

**Gene Summary:** DNA binding protein; involved in the transcriptional regulation of heat shock protein (hsp) genes [RGD, Feb 2006]