

## Product datasheet for **RN210514**

### **Hsf2 (NM\_031694) Rat Untagged Clone**

#### **Product data:**

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



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**Fully Sequenced ORF:** >RN210514 representing NM\_031694  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGCAGAGTTCCAACGTGCCGGCTTCTCAGCAAGCTGTGGACGCTTGTAGAGGAAACCCACACTA  
 ACGAGTTCATCACCTGGAGTCAGAATGGACAAAGTTTTCTGGTCTTGGATGAGCAAAGATTTGCAAAGGA  
 AATTCTCCCAAGTACTTCAAACACAATAACATGGCAAGCTTTGTGAGACAGCTAAATATGTATGGCTTC  
 CGTAAAGTAGTACATATCGAATCTGGAATTGTCAAACAGGAAAGAGATGGCCCTGTTGAATTTGAGCATC  
 CTCATTTCAAACAAGGCCAGGATGACTTGTGGAGAACATTAAGGAAGGTTTCGTTCTCAAACCAGAA  
 GGAAAATAAAATTCGTCAGGAAGATTTAACAAAAATTATTAGTAGTGCCAGAGGTTCAAATAAAACAA  
 GAAACTATTGAGTCCAGGCTTTCAGAATTAAGGAGTGAATGAATCCCTTTGGAAGGAGGTGTCAGAGT  
 TAAGAGCGAAGCATGCACAGCAGCAGCAAGTTATTCGAAAGATTGTCAGTTTATTGTTACATTGGTTCA  
 GAATAATCAACTTGTGAGTTTAAACGTAAAAGGCCTCTACTTCTAAACACAAATGGAGCCCAAAGAAG  
 AATCTATTTGAGCAGATAGTCAAAGAACCAACCGATAATCACCATCATAAAGTTCACACAGCAGAACTG  
 AAGGTTTAAAGTCAAGAGAACGGATTTGAGATGACATAATTTATGATGTTACTGAGGATAATGTGGA  
 TGAAGAAAATATCCAGTTATCCAGAAACAAATGAGGATGTTGTAGTTGATCCCTCCAGCCAGTATCCT  
 GACATTGTGATTGTTGAAGATGACAATGAGGATGAGTACGCTCCTGTCATTGAGAGTGGAGAGCAGAGTG  
 AGCCAGCCAGAGTGGGGAGTGCCAGCAGCAGCAGCCCTCTCATGTCTAGTGTGCTCCAGCTAAATGGCTC  
 CTCCAACCTGACCTCAGAAGACCCTGTGACCATGATGGATTCCATTCTGAATGACAACATTAACCTTTTA  
 GGAAAGGTTGAGCTGTTGGATTACCTTGACAGTATTGATTGCAGTTTAGAGGACTTCCAAGCTATGCTCT  
 CAGGAAGACAGTTTAGCATAGACCAGACCTTCTGGTTGATTCTGAGAATAAGGGATTAGAAGCTACCAA  
 GAACAGTGTGTTCAACAAGTTTCAGAAGAGGGGAAGAAAATCTAAATCCAAGCCAGATAAACAGCTTATC  
 CAGTACACTGCCTTCCACTTCTCGCATTCTGATGGGAACCCTGCATCTGCTGTTGAACAGGGGACTA  
 CAACAGCATCGTCAGAAGTTGTACCCTCTGTAGATAAGCCTATAGAAGTTGATGAGCTCCTGGATAGCAA  
 CCTAGACCAAGAACCAACCCAAAGTAAGCTTGTCCGCCTGGAACCACTGACTGAAGCAGAAGCCAGTGAA  
 GCCACACTGTTCTACTTATGTGAACTCGCTCCTGCGCCCTGGATAGTGATATGCCCTTTTAGATAGTT  
 AA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_031694
- Insert Size:** 1542 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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

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