

## Product datasheet for **RN216847**

### **Hsf1 (NM\_024393) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Hsf1 (NM_024393) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hsf1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN216847 representing NM\_024393  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGATCTGGCTGTGGGCCCGGTGCAGCGGGGCCAGCAACGTCCCGGCCTTCTAACCAAGCTGTGGA  
 CCCTCGTGAGCGACCCGGACACAGACGCGCTCATCTGCTGGAGCCGAGTGGGAACAGCTTCCACGTGTT  
 TGACCAGGGCCAGTTTGCCAAGGAGGTGCTGCCAAGTACTTCAAGCACAAACAACATGGCCAGCTTTGTG  
 CGGCAGCTCAACATGTATGGCTCCGAAAAGTAGTCCACATTGAGCAGGGTGGCCTGGTCAAGCCTGAGA  
 GGGATGACACCGAGTTCAGCATCCATGTTTCTGCGTGGCCAGGAACAGCTCCTTGAGAATATCAAGAG  
 GAAAGTGACCAGCGTGTCCACCCTGAAGAGTGAGGACATAAAAAACGCCAGGACAGTGTACCAGGCTG  
 TTGACAGATGTGCAGCTGATGAAGGGGAAACAGGAGTGTATGGACTCCAAGCTCCTGGCCATGAAGCAG  
 AGAACGAGGCCCTGTGGCGGGAGGTGGCCAGCCTTCGGCAGAAGCATGCCAGCAGCAAAAAGTTGTCAA  
 CAAGCTCATCCAATTCTGATCTCACTGGTGCAGTGAACCGGATCCTGGGGTGAAGAGAAAGATCCCT  
 CTGATGTTGAGTGACAGCAGCTCAGCACACTCTGTGCCAAGTATGGTGCACAGTACTCCCTGGAGCATG  
 TCCATGGTCCCGCCATACTCAGCTCCATCTCCAGCCTACAGCAGCTCTAGCCTTTACTCCTCTGATGC  
 TGTACCAGCTCTGGGCCATAATCTCCGATATCACTGAGCTGGCTCCCACCAGCCCTTTGGCCTCCCCA  
 GGCAGGAGCATAGATGAGAGGCCCTGTCCAGCAGCACCTGGTCCGTGTCAAGGAAGAGCCCCCAGCC  
 CACCTCATAGCCCTCGGGTACTGGAGGCAAGCCCTGGCGGCCAGCCTCCATGGATACCCCTTTGTCCCC  
 AACTGCCTTATTGACTCCATCCTTCGAGAGAGCGAACCTACCCCTGTGCCTCAAACACAGCCCTATG  
 GACACAACCGGAGCCCAAGCCCTGCACCCCAAGCCCTCCACCCTGAGAAGTGCCTCAGCGTAGCCT  
 GCCTGACAAGCCACGGCTTCAGTGTGGACACCAAGTGCCTGCTGGACCTGTTAGCCCTCGGTGACCATG  
 CCCGACATGAGCCTGCCTGACCTGGACAGCAGCCTGGCCAGCATTAGGAACCTTCTATCTCCCAAGAGC  
 CTCCCAGGCCTATTGAGGCAGAGAATAGTAACGCCGACTCAGGAAAGCAGCTGGTGCCTACACGGCTCA  
 GCCTCTGTTCTGCTGGACCCTGATGCTGTGGACACAGGGAGCAGTGAAGTGCCTGTGCTCTTTGAGCTG  
 GGGGAGAGCTCCTACTTCTGAGGGAGATGACTACACGGATGATCCACCATCTCTTCTGACGGCA  
 CTGAACCCCAAAAGCCAAGGACCCCACTGTCTCTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_024393
- Insert Size:** 1578 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_024393.1](#), [NP\\_077369.1](#)

**RefSeq Size:** 2415 bp

**RefSeq ORF:** 1578 bp

**Locus ID:** 79245

**Cytogenetics:** 7q34

**Gene Summary:** involved in regulating the transcription of the heat shock proteins involved in the cochlear stress response [RGD, Feb 2006]