

## Product datasheet for **RR216847**

### Hsf1 (NM\_024393) Rat Tagged ORF Clone

#### Product data:

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



[View online »](#)

**ORF Nucleotide Sequence:**

>RR216847 representing NM\_024393  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGATCTGGCTGTGGGCCCGGTGCAGCGGGGCCAGCAACGTCCCGCCTTCTAACCAAGCTGTGGA  
 CCCTCGTGAGCGACCCGGACACAGACGCGCTCATCTGCTGGAGCCGAGTGGGAACAGCTTCCACGTGT  
 TGACCAGGGCCAGTTTGCCAAGGAGGTGCTGCCAAGTACTTCAAGCACAAACATGGCCAGCTTTGTG  
 CGGCAGCTCAACATGTATGGCTCCGAAAAGTAGTCCACATTGAGCAGGGTGGCCTGGTCAAGCCTGAGA  
 GGGATGACACCGAGTTCAGCATCCATGTTTCTGCGTGGCCAGGAACAGCTCCTTGAGAATATCAAGAG  
 GAAAGTGACCAGCGTGTCCACCCTGAAGAGTGAGGACATAAAAAACGCCAGGACAGTGTACCAGGCTG  
 TTGACAGATGTGACGCTGATGAAGGGGAAACAGGAGTGTATGGACTCCAAGCTCCTGGCCATGAAGCAG  
 AGAACGAGGCCCTGTGGCGGGAGGTGGCCAGCCTTCGGCAGAAGCATGCCAGCAGCAAAAAGTTGTCAA  
 CAAGCTCATCCAATTCTGATCTCACTGGTGCAGTCAACCGGATCCTGGGGTGAAGAGAAAGATCCCT  
 CTGATGTTGAGTGACAGCAGCTCAGCACACTCTGTGCCAAGTATGGTCCGACAGTACTCCCTGGAGCATG  
 TCCATGGTCCCGCCATACTCAGCTCCATCTCCAGCCTACAGCAGCTCTAGCCTTTACTCCTCTGATGC  
 TGTACCAGCTCTGGGCCATAATCTCCGATATCACTGAGCTGGCTCCCACCAGCCCTTTGGCTCCCCA  
 GGCAGGAGCATAGATGAGAGGCCCTGTCCAGCAGCACCTGGTCCGTGTCAAGGAAGAGCCCCCAGCC  
 CACCTCATAGCCCTCGGGTACTGGAGGCAAGCCCTGGCGCCAGCCTCCATGGATACCCCTTTGTCCCC  
 AACTGCCTTATTGACTCCATCCTTCGAGAGAGCGAACCTACCCCTGTGCCTCAAACACAGCCCTATG  
 GACACAACCGGAGCCCAAGCCCTGCACCCCAAGCCCTCCACCCCTGAGAAGTGCCTCAGCGTAGCCT  
 GCCTAGACAAGAACGAGCTAAGTGATCACCTGGATGCCATGGACTCCAACCTGGACAACCTGCAGCATG  
 GCTGACAAGCCACGGCTTCAGTGTGGACACCAAGTGCCTGCTGGACCTGTTAGCCCTCGGTGACCATG  
 CCCGACATGAGCCTGCCTGACCTGGACAGCAGCCTGGCCAGCATTAGGAACCTTCTATCTCCCAAGAGC  
 CTCCAGGCCATTGAGGCAGAGAATAGTAACGCCGACTCAGGAAAGCAGCTGGTGCCTACACGGCTCA  
 GCCTCTGTTCTGCTGGACCCTGATGCTGTGGACACAGGGAGCAGTGAAGTGCCTGTGCTCTTTGAGCTG  
 GGGGAGAGCTCTACTTCTGAGGGAGATGACTACACGGATGATCCACCATCTCTTCTGACGGCA  
 CTGAACCCACAAAGCCAAGGACCCCACTGTCTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR216847 representing NM\_024393  
 Red=Cloning site Green=Tags(s)

MDLAVGPGAAGPSNVPAFLTKLWTLVSDPDTDALICWSPSGNSFHVFDQGFQFAKEVLPKYFKHNNMASFV  
 RQLNMYGFRKVVHIEQGLVKPERDDTEFQHPCFLRGQEQLLENIKRKVTSVSTLKSEDIKIRQDSVTRL  
 LTDVQLMKGKQECMDSKLLAMKHENEALWREVASLRQKHAQQQKVVNKL IQFLISLVQSNRILGVKRKIP  
 LMLSDSSSAHSVPKYGRQYSLEHVHGPYPYSPAYSSSSLYSSDAVTS SGP I IISDITELAPTSPLASP  
 GRSIDERPLSSSTLVRVKEEPSPPHSPRVLEASPRPASMDTPLSPTAFIDSILRESEPTAASNTAPM  
 DTTGAQAPAPPAPSTPEKCLSVACLKNEKSDHLDAMDSNLDNLQTMLTSHGFSVDTSALLDLFSPSVTM  
 PDMSLPDLSSSLASIQELLSPQEP RPPIEAENS NADSGKQLVHYTAQPLFLDPDAVDTGSSELPLVLFEL  
 GESSYFSEGDDYDDPTISLLTGTEPHKAKDPTVS

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**ACCN:** NM\_024393

**ORF Size:** 1575 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\\_024393.1](#), [NP\\_077369.1](#)
**RefSeq Size:** 2415 bp

**RefSeq ORF:** 1578 bp

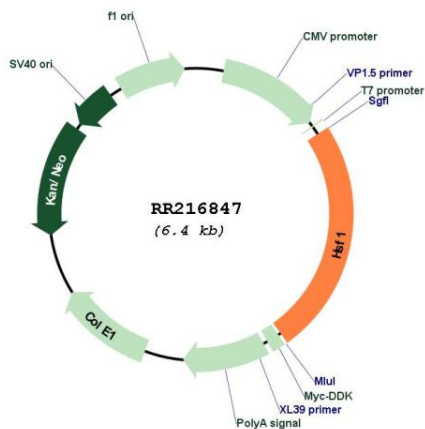
**Locus ID:** 79245

**Cytogenetics:** 7q34

MW: 57.1 kDa

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

### Product images:



Circular map for RR216847