

## Product datasheet for **MC216292**

### **Hsf4 (NM\_011939) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Hsf4 (NM_011939) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hsf4
Synonyms:	HSF 4; HSTF 4; HSTF4; ldis1; mHSF4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC216292 representing NM\_011939  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATG**CAGGAAGCGCCAGCTGCGCTGCCACGGAGCCAGGCCAGCCCGGTACCTGCCTTCTCGCAAGC**  
 TATGGGCGCTGGTAGGCGACCCAGGCACCGACCACCTCATCCGCTGGAGCCCGAGTGGCACCAGCTTCTT  
 CGTAAGTGATCAGAGCCGCTTCGCCAAGGAAGTGTGCCCCAGTACTTCAAGCACAGCAACATGGCGAGC  
 TTTGTTCCGCAACTCAACATGTATGGTTTTCGGAAGGTGGT**GAGCATCGAGCAAGGTGGCCTGCTCAGAC**  
 CAGAGCGTGACCAGTTGAGTTTCAGCATCCGAGCTTCGTGCGAGGCCGCGAGCAGCTACTGGAGCGCGT  
 GCGCCGCAAGGTACCTGCGCTGCGAGGCGATGACAGTCGATGGCGTCCGGAAGACCTGAGCCGACTGCTG  
 GGAGAGGTGAAGCTTTGAGAGGAGTGCAGGAGACACGGAGGCACGGCTGCAGGA**ACTCAGGCAGCAGA**  
 ACGAGATCTTGTCGCGAGAGGTGGTAAC**TTTGC**GGCAGAGCCACAGT**CAGCAGCACCGGGT**CATCGGCA  
 GCTAATCCAGTGCCTGTTGGGCCACTTCAGACAGGGCCAGCAGTACAGGAGCCAAGAGAAA**ACTGTCC**  
 CTAATGCTAGATGAGGGGAGCGCCTGTT**CAGCATCTGCCAAATCAATGCCTGCCCTGTCTGGTCTC**  
 TCTCCAGGACCCCTACTTTATCCAGTCGCTTCTCTTGCAGCCCTCCAGAGACCACGTTGGGCCTC  
 AGCCCTCACAGGGCCAGAGGGCCATCATCTCTGACATCCAGAAGATTCTCATCTCTGAAGGACACA  
 GGCTTTCTCCCTCCGGTGGTGCAGGAGCACCCACCCTGCCCGTGGCTGTGGTGCAGGCCATCCTGG  
 AAGGAAAGGGAGCTACAGCCCTGAGGGGCCAGGAGTGTACAACAGCCTGAACCAAGGGGCCAGGGA  
 GGTACCTGACAGGGAACTCTGGCCTGGATCGGGTAACCGGAGCCAGAGAGTCTGCTACCCCAATG  
 CTGCTTCGGCTGCCCTGAAACTCTGGAGCCCGTGGCACCTGTGGATGTGCTCGGCCCTAGCCTGCATG  
 GACGAGAATGGACCTTGATGGATCTGGACATGGAGTTGTCTCTGATGCAGCCCTTGGCACCAGAGCGGA  
 TGAAGCAGAGCTGACGGTCAAGGAGTTGAATTCTTCTGGTGTAGGGAAAGACCACACACTGGGA**ACTCCA**  
 CTATGCTAGATGTCCAGCGGATTTGGAGGTCAGCCCTGTCTGTGCCTGGGGCTTAA**CCCTGTACA**  
 ACGTCACCAGAGCAACGCCTCCTACTTGGATCTGGAGCCAGTCCCTCCTCTCC**CTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1983\\_e04.zip](https://cdn.origene.com/chromatograms/ja1983_e04.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_011939

**Insert Size:** 1389 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_011939.2</a></u> , <u><a href="#">NP_036069.1</a></u>
<b>RefSeq Size:</b>	1649 bp
<b>RefSeq ORF:</b>	1389 bp
<b>Locus ID:</b>	26386
<b>UniProt ID:</b>	<u><a href="#">Q9R0L1</a></u>
<b>Cytogenetics:</b>	8 D3
<b>Gene Summary:</b>	<p>DNA-binding protein that specifically binds heat shock promoter elements (HSE). The HSF4A isoform represses transcription while the HSF4B isoform activates transcription. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses two alternate in-frame splice sites in that result in a frameshift in the central coding region, compared to variant 1. The encoded isoform (2) is shorter and has a distinct internal segment, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>