

## Product datasheet for **MC228002**

### Hsf4 (NM\_001256042) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hsf4 (NM_001256042) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hsf4
Synonyms:	HSF 4; HSTF 4; HSTF4; ldis1; mHSF4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228002 representing NM\_001256042  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCAGGAAGCGCCAGCTGCGCTGCCACGGAGCCAGGCCCCAGCCCGGTACCTGCCTTCTCGGAAGC  
 TATGGGCGCTGGTAGGCGACCCAGGCACCGACCACCTCATCCGCTGGAGCCCAGTGGCACCAGCTTCTT  
 CGTAAGTGATCAGAGCCGCTTCGCCAAGGAAGTGTGCCCCAGTACTTCAAGCACAGCAACATGGCGAGC  
 TTTGTTCCGCAACTCAACATGTATGGTTTTCGAAGGTGGTGGAGCATCGAGCAAGGTGGCCTGCTCAGAC  
 CAGAGCGTGACCAGTTGAGTTTCAGCATCCGAGCTTCGTGCGAGGCCGCGAGCAGCTACTGGAGCGCT  
 GCGCCGAAGGTACCTGCGCTGCGAGGCGATGACAGTCGATGGCGTCCGGAAGACCTGAGCCGACTGCTG  
 GGAGAGGTGCAAGCTTTGAGAGGAGTGCAGGAGACACGGAGGCACGGCTGCAGGAACCTCAGGCAGCAGA  
 ACGAGATCTTGTGGCGAGAGGTGGTAACTTTGCAGGAGCCACAGTCAGCAGCACCGGGTATCGGCCAA  
 GCTAATCCAGTGCCTGTTGGGCCACTTCAGACAGGGCCAGCAGTACAGGAGCCAAGAGAAAAGTCC  
 CTAATGCTAGATGAGGGGAGCGCCTGTTAGCATCTGCCAAATCAATGCCTGCCCTGTGTCTGGTGCTC  
 TCTCCAGGACCCCTACTTTATCCAGTCGCCCCCTCCAGAGACCAGTTGGGCTCAGCCCTCACAGGGC  
 CAGAGGGCCCATCATCTGACATCCCAGAAGATTCTCCATCTCCTGAAGGACACAGGCTTTCTCCCTCC  
 GGTGGTTGCAGGAGGGTGAAGGGCCTGGCACTGCTCAAAGAAGAGCCGGCCAGTCCAGGGGGGATGGCG  
 AGGCCGGGCTGGCCCTGGCCCCAACGAGTGTGACTTCTGCGTGACAGCACCCCCACCGCTGCCCGTGGC  
 TGTGGTGCAGGCCATCCTGGAAGGAAAGGGAGCTACAGCCCTGAGGGGCCAGGAGTGTACAACAGCCT  
 GAACCAAGGGGCCCCAGGGAGGTACCTGACAGGGGAACCTGGGCTGGATCGGGGTAAACGGAGCCAG  
 AGAGTCTGCTACCCCAATGCTGCTTCGGCTGCCCTGAAACTCTGGAGCCCGTGGCACCTGTGGATGT  
 GCTCGGCCCTAGCCTGCATGGACGAGAATGGACCTTGATGGATCTGGACATGGAGTTGTCTCTGATGCAG  
 CCCTTGGCACCAGAGACGGATGAAGCAGAGCTGACGGTCAAGGAGTTGAATTCCTTCTGGTGTAGGAAAG  
 ACCACACACTGGGAACCTCACTCATGCTAGATGTCCAGGCGGATTTGGAGGGTGCAGCCCTGTCTGTGCC  
 TGGGGCTTTAACCTGTACAACGTACCGAGAGCAACGCCTCCTACTTGGATCTGGAGCCAGTCCCTCC  
 TCTCCCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001256042
- Insert Size:** 1479 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\\_001256042.1](#), [NP\\_001242971.1](#)

**RefSeq Size:** 1739 bp

**RefSeq ORF:** 1479 bp

**Locus ID:** 26386

**UniProt ID:** [Q9R0L1](#)

**Cytogenetics:** 8 D3

**Gene Summary:** 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]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest 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.