

Product datasheet for **MC227666**

Hsf4 (NM_001256044) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hsf4 (NM_001256044) 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
Fully Sequenced ORF: >MC227666 representing NM_001256044
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGGCGCTGGTAGGCGACCCAGGCACCGACCACCTCATCCGCTGGAGCCCGATGGTTTTCGGAAGGTGG
 TGAGCATCGAGCAAGGTGGCCTGCTCAGACCAGAGCGTGACCACGTTGAGTTTCAGCATCCGAGCTTCGT
 GCGAGGCCGCGAGCAGCTACTGGAGCGCTGCGCCGCAAGGTACCTGCGCTGCGAGGCGATGACAGTCGA
 TGGCGTCCGGAAGACCTGAGCCGACTGCTGGGAGAGGTGCAAGCTTTGAGAGGAGTGCAGGAGAGCACGG
 AGGCACGGCTGCAGGAACCTCAGGCAGCAGAACGAGATCTTGTGGCGAGAGGTGTAACCTTTCGGCAGAG
 CCACAGTCAGCAGCACCGGGTCATCGGCAAGCTAATCCAGTGCCTGTTTGGGCCACTTCAGACAGGGCCC
 AGCAGTACAGGAGCCAAGAGAAAAGTGTCCCTAATGCTAGATGAGGGGAGCGCCTGTTCCAGCATCTGCCA
 AATTCATGCCTGCCCTGTGTCTGGTGTCTCCTCCAGGACCCCTACTTTATCCAGTCGCCCTCCCAGA
 GACCACGTTGGCCCTCAGCCCTCACAGGGCCAGAGGGCCCATCATCTCTGACATCCAGAAAGATTCTCCA
 TCTCCTGAAGGACACAGGCTTTCTCCCTCCGGTGGTGCAGGAGGGTGAAGGGCCTGGCACTGCTCAAAG
 AAGAGCCGGCCAGTCCAGGGGGGATGGCGAGGCCGGCTGGCCCTGGCCCAAACGAGGTGACTCTGTG
 CGTGACAGCACCCACCCTGCCCCGCTGGCTGTGGTGCAGGCCATCCTGGAAGGGAAGGGAGCTACAGC
 CCTGAGGGGCCAGGAGTGTACAACAGCCTGAACCAAGGGGCCCCAGGGAGGTACCTGACAGGGGAACCT
 TGGCCTGGATCGGGGTAACCGGAGCCAGAGAGTCTGCTACCCCAATGCTGCTTCGGCCTGCCCTGA
 AACTCTGGAGCCCGTGGCACCTGTGGATGTGCTCGGCCCTAGCCTGCATGGACGAGAATGGACCTTGATG
 GATCTGGACATGGAGTTGTCTCTGATGCAGCCCTTGGCACCAGAGACGGATGAAGCAGAGCTGACGGTCA
 AGGAGTTGAATTTCTTCTGGTGTAGGAAAGACCACACTGGGAACCTCACTCATGCTAGATGTCCAGGC
 GGATTTGGAGGGTGCAGCCCTGTCTGTGCTGGGGCTTTAACCTGTACAACGTCACCGAGAGCAACGCC
 TCCTACTTGGATCCTGGAGCCAGTCCCTCCTCTCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAAGTCACTCAGAAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



[View online >](#)

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001256044
Insert Size:	1299 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:	<ol style="list-style-type: none">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:	<u>NM_001256044.1</u> , <u>NP_001242973.1</u>
RefSeq Size:	1630 bp
RefSeq ORF:	1299 bp
Locus ID:	26386
Cytogenetics:	8 D3
Gene Summary:	<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 (3) lacks an exon in the coding region, compared to variant 1. These differences result in a distinct 5' UTR and cause translation initiation at an alternate start codon, compared to variant 1. The encoded protein (isoform 3) is shorter and has a distinct N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>