

Product datasheet for MR229877

Hsf4 (NM_001256044) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hsf4 (NM_001256044) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Hsf4
Synonyms: HSF 4; HSTF 4; HSTF4; ldis1; mHSF4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229877 representing NM_001256044
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCGCTGGTAGGCGACCCAGGCACCGACCACCTCATCCGCTGGAGCCCGATGGTTTTCGGAAGGTGG
 TGAGCATCGAGCAAGGTGGCCTGCTCAGACCAGAGCGTGACCACGTTGAGTTTCAGCATCCGAGCTTCGT
 GCGAGGCCGCGAGCAGCTACTGGAGCGCTGCGCCGCAAGGTACCTGCGCTGCGAGGCGATGACAGTCGA
 TGGCGTCCGGAAGACCTGAGCCGACTGCTGGGAGAGGTGCAAGCTTTGAGAGGAGTGCAGGAGAGCACGG
 AGGCACGGCTGCAGGAACCTCAGGCAGCAGAACGAGATCTTGTGGCGAGAGGTGTAACCTTTCGGCAGAG
 CCACAGTCAGCAGCACCGGGTCATCGGCAAGCTAATCCAGTGCCTGTTTGGGCCACTTCAGACAGGGCCC
 AGCAGTACAGGAGCAAGAGAAAAGTGTCCCTAATGCTAGATGAGGGGAGCGCCTGTTCCAGCATCTGCCA
 AATTCATGCCTGCCCTGTGTCTGGTGTCTCCTCCAGGACCCCTACTTTATCCAGTCGCCCTCCCAGA
 GACCACGTTGGCCTCAGCCCTCACAGGGCCAGAGGGCCCATCATCTCTGACATCCAGAAGATTCTCCA
 TCTCCTGAAGGACACAGGCTTTCTCCCTCCGGTGGTGCAGGAGGGTGAAGGGCCTGGCACTGCTCAAAG
 AAGAGCCGGCCAGTCCAGGGGGGATGGCGAGGCCGGCTGGCCCTGGCCCCAAACGAGGTGACTCTGTG
 CGTGACAGCACCCACCCTGCCCCGCTGGCTGTGGTGCAGGCCATCCTGGAAGGGAAGGGAGCTACAGC
 CCTGAGGGGCCAGGAGTGTACAACAGCCTGAACCAAGGGGCCCCAGGGAGGTACCTGACAGGGGAACCT
 TGGCCTGGATCGGGGTAACCGGAGCCAGAGAGTCTGCTACCCCAATGCTGCTTCGGCCTGCCCTGA
 AACTCTGGAGCCCGTGGCACCTGTGGATGTGCTCGGCCCTAGCCTGCATGGACGAGAATGGACCTTGATG
 GATCTGGACATGGAGTTGTCTCTGATGCAGCCCTTGGCACCAGAGACGGATGAAGCAGAGCTGACGGTCA
 AGGAGTTGAATCTTCTGGTGTAGGAAAGACCACACTGGGAACCTCACTCATGCTAGATGTCCAGGC
 GGATTTGGAGGGTGCAGCCCTGTCTGTGCTGGGGCTTTAACCTGTACAACGTCACCGAGAGCAACGCC
 TCCTACTGGATCCTGGAGCCAGTCCCTCCTCTCCC

ACGCGTACGCGGCCGCTCGAGCAGAAAAGTCACTCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229877 representing NM_001256044
 Red=Cloning site Green=Tags(s)

MGAGRPRHRPPHLEPDGFRKVVSIQQGLLRPERDHVEFQHPFVVRGREQLLERVRRKVPALRGDDSR
 WRPEDLSRLLGEVQALRGVQESTEARLQELRQQNEILWREVVTLRQSHSQHRVIGKLIQCLFGPLQTGP
 SSTGAKRRLSLMLDEGSACSASAKFNACPVSGALLQDPYFIQSPLPETTLGLSPHRARGPIISDIPEDSP
 SPEGHRLLSPSGGCRRVKGLALLKEEPASPGDGEAGLALAPNECDFCVTAPPPLPVAVVQAILEGKGSYS
 PEGPRSVQQPEPRGPREVDPDRGTLGLDRGNRSPESELLPPMLLRPAPETLEPVAPVDVLPSPSLHGREWTL
 DLMELSLMQPLAPETDEAELTVKELNSSGVGKDHTLGTPLMLDVQADLEGAALSVPGALTLYNVTESNA
 SYLDPGASPSSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

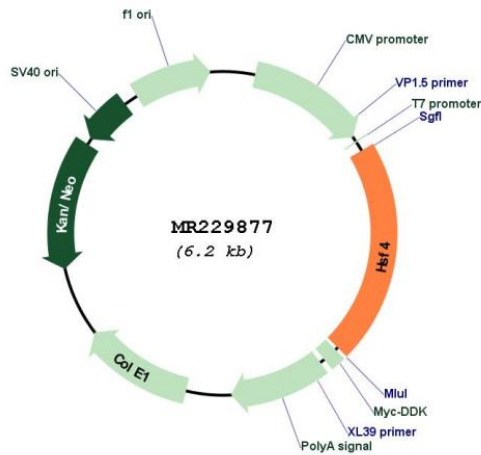
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001256044

ORF Size:	1296 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:	<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:	NM_001256044.1 , NP_001242973.1
RefSeq Size:	1630 bp
RefSeq ORF:	1299 bp
Locus ID:	26386
Cytogenetics:	8 D3
MW:	47.2 kDa
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]