

Product datasheet for **MC206579**

Hsf2 (BC018414) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hsf2 (BC018414) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hsf2
Synonyms:	A1661205
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC018414
 CTCCGCGTTCCGGTAGTAGAATTTGGAATCCCTGCACCGGGCTAACAATGAAGCAGAGTTCCAACGTGCCG
 GCTTTCTCAGCAAGCTGTGGACGCTTGTGGAGGAAACCCACACCAACGAGTTTCATCACCTGGAGTCAGA
 ATGGACAAAGTTTTCTGGTCTTGGATGAGCAAAGATTTGCAAAGGAAATCTTCCTAAGTACTTCAAACA
 CAATAACATGGCGAGCTTTGTGAGACAACTAAATATGTATGGCTCCGAAAAGTAGTGCATATCGAATCT
 GGAATTTCAAACAGGAAAGAGATGGCCCTGTTGAATTTCAAGCAAGGCCAGGATG
 ACCTGTTGGAGAACATTAAGGAAAGGTTTCATCTTCAAACCCAGAGGAAAATAAAATTCGTGAGGAAGA
 TTTAACAAAAATTATTAGTAGTGTGCTCAGAAGGTTCAAATAAAACAAGAACTATTGAGTCCAGGCTTTCA
 GAATTAAGAAAGTGAATGAATCCCTTTGGAAGGAGGTGTCAGAACTAAGAGCAAAGCATGCCCAGCAGC
 AACAAAGTTATTCGGAAGATTGTCCAGTTTATTGTTACATTGGTTTCAAGTAATCAACTTGTGAGTTTAA
 ACGTAAAAGGCCTCTACTTCTAAACACAAATGGAGCCCCAAAGAAGAACTATATCAGCACATAGTCAAA
 GAACCAACTGATAATCACCATCATAAAGTTCCACACAGCAGGACTGAAGGTTTAAAGTCAAGAGAACGGA
 TTTTCCAGATGACATAATTATTTATGATGTTACTGACGATAATGTGGATGAAGAAAAATTCCAGTTATTCC
 AGAAACAATGAGGATGTTGTAGTGGATTCTCCAACCAAGTATCCTGACATTGTCATTGTTGAAGATGAC
 AACGAGGATGAGTATGCTCCTGTCTCAGAGTGGAGAGCAGAGTGAACCAAGCCAGAGAACCCCTTACGTG
 TGGGGAGTGTGTCAGCAGCAGCCCTCTCATGTCCAGTGTGTCAGCTAAACCGCTCCTCAATCTGAC
 CTCAGACGACCCTGTGACCATGATGGACTCCATTCTGAATGACAACATTAACTGTTAGGAAAGGTTGAG
 CTGTTGGATTACCTTGACAGTATTGATTGCAGTTTAGAGGACTTCCAAGCTATGCTCTCAGGAAGACAGT
 TTAGCATAGACCCAGATCTTCTGGTTGATTCTGAGAATAAGGGACTAGAAGCTACCAAGAGCAGTGTGT
 TCAACACGTGTCAGAAGAGGGAAGAAAACTAAATCCAAGCCAGACAAACAATTATCCAGTATACTGCC
 TTTCCACTTCTTGCACTTCTGGATGGAACTCTGCATCTGCTATTGAACAGGGGAGTACAAGTGCATCGT
 CAGAAGTTGTGCCTTCTGTAGATAAGCCCATAGAGGTCGATGAGCTCCTGGATAGCAGCCTGGATCCAGA
 ACCGACCCAGAGTAAGCTTGTCCGCTGGAACCAATTGACTGAAGCGGAAGCTAGTGAAGCCACACTTTC
 TATTTATGTGAACCTTGTCTGACCTCTGGATAGTATGATGATGATGATGATGATGATGATGATGATGATG
 GGACACTGTATATATTCATCAAAATGATGAAGTATTTATTTTAAAGTATCATTGTTGACTTTGTTTTGTA
 AATTACTTTTTGTTAATCAGATACTGTGGAATCAAAGCACCTTTTGTCTTTCTCACTAACCATACTCTC
 ACATAGCTTTTCCAGATGCTACTCGACTGCCTAGGCATATACGTTTTAATGCACATTACTGGCATATCTTAA
 GTTCAATTCAAATGGCCATTTTCTCCAGTTGTAATTGGATTTTTTTTTTTTTTACAAATATGACCATTAAT
 CCCAGCTAAACTGTTTTATTTTCAATTAAGTGTCTAGAACTAAAGTAGAAAAGTGGCCAGTTACTTTTAA
 TTAATATTTTTCACTTGGCTTATTTCTAAAAGTGGGAACATAAAGTGCCTGTATCTTGTAAATTTTCAT
 GTCTTTGTTGGTTCAGAGAAATTTATTCCTGTTAGCAGAAATGGCAAAGTGTACACGAGTACTCAGTCAC
 TGATGTGGTACTAGCTCCAGATACATAGAGAATGTGGAGACCGGGTGTGCTTAGCTCCACCCATTTAGAC
 TAGTTTAAAGTATGTTTTCTGGTTTTTGTCTTTTGAACCATGATATTTAGTAAAAATAATATGATGGATG
 TCGAGGAAAAAAAAAAAAAAAAAAAA

Restriction Sites: EcoRI-NotI

ACCN: BC018414

Insert Size: 1554 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).

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: [BC018414](#), [AAH18414](#)

RefSeq Size: 2263 bp

RefSeq ORF: 1554 bp

Locus ID: 15500

Cytogenetics: 10 B4

Gene Summary: DNA-binding protein that specifically binds heat shock promoter elements (HSE) and activates transcription. In higher eukaryotes, HSF is unable to bind to the HSE unless the cells are heat shocked. HSF2 is expressed in a form that binds DNA constitutively but loses DNA binding by incubation at greater than 41 degrees C.[UniProtKB/Swiss-Prot Function]