

Product datasheet for **SC125521**

HSF2 (NM_004506) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSF2 (NM_004506) Human Untagged Clone
Tag:	Tag Free
Symbol:	HSF2
Synonyms:	HSF 2; HSTF 2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC125521 sequence for NM_004506 edited (data generated by NextGen Sequencing)

```

ATGAAGCAGAGTTCGAACGTGCCGGCTTTCCTCAGCAAGCTGTGGACGCTTGTGGAGGAA
ACCCACACTAACGAGTTCATCACCTGGAGCCAGAATGGCCAAAGTTTTCTGGTCTTGGAT
GAGCAACGATTTGCAAAAAGAAATTTCCCAAATTTTCAAGCACAATAATATGGCAAGC
TTTGTGAGGCAACTGAATATGTATGGTTTCCGTAAGTAGTACATATCGACTCTGGAATT
GTAAAGCAAGAAAGAGATGGTCTGTAGAATTTACAGCATCCTTACTTCAAACAAGGACAG
GATGACTTGTGGAGAACATTAAGGAAGGTTTCATCTTCAAACCAGAAGAAAATAAA
ATTCGTCAGGAAGATTTAACAAAAATTATAAGTAGTGCTCAGAAGTTTCAGATAAAACAG
GAAACTATTGAGTCCAGGCTTTCTGAATTAAGTAGTGAATGAGTCCCTTTGGAAGGAG
GTGTCAGAATTACGAGCAAAGCATGCACAACAGCAACAAGTTATTCGAAAGATTGTCAG
TTTATTGTTACATTGGTTCAAATAACCAACTTGTGAGTTTAAACGTAAAAGGCCTCTA
CTTCTAAACACTAATGGAGCCAAAAGAAGAACCTGTTTCAGCACATAGTCAAAGAACCA
ACTGATAATCATCATATAAAGTCCACACAGTAGGACTGAAGGTTTAAAGCCAAGGGAG
AGGATTTAGATGACATCATTATTTATGATGTTACTGATGATAATGCAGATGAAGAAAAT
ATCCCAGTTATTCAGAAACTAATGAGGATGTTATATCTGATCCCTCCAAGTGTAGCCAG
TACCCTGATATTGTCATCGTTGAAGATGACAATGAAGATGAGTATGCACCTGTCATTTCAG
AGTGGAGAGCAGAATGAACCAGCCAGAGAATCCCTAAGTTCAGGCAGTGTGGCAGCAGC
CCTCTCATGTCTAGTGTGTCCAGCTAAATGGCTCATCCAGTCTGACCTCAGAAGATCCA
GTGACCATGATGGATTCCATTTTGAATGATAACATCAATCTTTTGGGAAAGGTTGAGCTG
TTGGATTATCTTGACAGTATTGACTGCAGTTTAGAGGACTTCCAGGCCATGCTATCAGGA
AGACATTTAGCATAGACCCAGATCTCCTGGTTGATCTTTTCACTAGTTCTGTGCAGATG
AATCCCACAGATTACATCAATAATACAAAATCTGAGAATAAAGGATTAGAAACTACCAAG
AACAAATGTAGTTAGCCAGTTTCGGAAGAGGGAAGAAAATCTAAATCCAACCAGATAAG
CAGCTTATCCAGTATACCGCCTTTCCACTTCTTGATTCTCGATGGGAACCCTGCTTCT
TCTGTTGAACAGGCGAGTACAACAGCATCATCAGAAGTTTTGTCCTCTGTAGATAAAACC
ATAGAAGTTGATGAGCTTCTGGATAGCAGCCTAGACCCAGAACCAACCAAGTAAGCTT
GTTGCGCTGGAGCCATTGACTGAAGCTGAAGCTAGTGAAGCTACACTGTTTTATTTATGT
GAACTTGTCTCTGCACCTCTGGATAGTGATATGCCACTTTTAGATAGCTAA
    
```

Clone variation with respect to NM_004506.3

5' Read Nucleotide Sequence:

```

>OriGene 5' read for NM_004506 unedited
ATACGACTCACTATAGGGCGGCCGCAATTCGGCAGGAGGGCGTTCTCGGGGAGCTGCTG
CCGTAGCTGCCGCCGCCGCTACCACCGGTTCCGGTGTAGAATTTGGAATCCCTGCGCCG
CGTTAACAAATGAAGCAGAGTTCGAACGTGCCGGCTTTCCTCAGCAAGCTGTGGACGCTTG
TGGAGGAAACCCACACTAACGAGTTCATCACCTGGAGCCAGAATGGCCAAAGTTTTCTGG
TCTTGGATGAGCAACGATTTGCAAAAAGAAATTTCCCAAATATTTCAAGCACAATAATA
TGGAAGCTTTGTGAGGCAACTGAATATGTATGGTTTCCGTAAGTAGTACATATCGACT
CTGGAATTGTAAGCAAGAAAGAGATGGTCTGTAGAATTTACAGCATCCTTACTTCAAAC
AAGGACAGGATGACTTGTGGAGAACATTAAGGAAGGTTTCATCTTCAAACCAGAAG
AAAATAAAATTCGTCAGGAAGATTTAACAAAAATTATAAGTAGTGCTCAGAAGGTTTCA
TAAACAGGANACTATTGAGTCCAGGCTTCTGAATTAAGTAGTGAATGAGTCCCTTT
GGAGGAGGTGTCAGAATTACGAGCAAAGCATGCACAACAGCAACAAGTTATTCGAAAGAA
TGCCAGTTATTGGTACATTGGTTCAAATAACCAACTTGTGAGTTTAAACGTNAAAGGCC
TCTACTTCTAACACTAATGGAGCCAAAAGAAGACCTGTTTCAGCACATAGTCCAAGAAC
CCTGATAATCATCATATAAAGNTCCACACAGTTAGGACTGGAAGGTTTAAAGNCCAA
GGGAGAGGATTCCAGATGACATCATTATTNATGATGGTTACTGATGAATATGCCAGATGA
AAGAAATATCCAGTTTATTCCAGAAACCTATGAGGNATGTTATTATTCGATCCCTCN
    
```

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_004506 unedited CTTGACC GCGGCCGCATCTAAAGTCGGTTTTTTTTTTTTTTTTTTTACTCAACATTCATT GTATTTATTTTACTAAACAGTATGGTTCAAAAAACCAAACCGGAAAACCTTTATTTAAA ACTAGTCCAACAACTGGATGGGGCTCACTCCATCCCATCCCACCCCGATCTTTCTATA TATATGGAGCTGGAACCCATCAGACAGCGAGCATTACGTACACTTTGTCTTTCCTGTT GAACATGAATAAACGCTTTTGAACATAAATGAACCTTCTCTGAACCAAAAAGAAACAATGA AGTTTTACAAGATACAGGCACTTTATGTTCCAGTTTTAAAAATAAGCCAAGTGAAAAAT ATTTAATAAAAAATAACTGGAGCAGAGAAAAGCTTTAAGAGTTATACCATTAGTTCAAATGA CTTACACTCAATGCAAATAGACAGCATCAAACAGGAAAAACAAACAAAAATTTAACTGAAG TTAATGGCCGATTTGTAAAAAAGATATCCAATTTACCAAAATTGGAGAAAAATGGCC ATTTGAATCCAACCTAAAGATACGCCAATAATGTGCATTACATCTGCGTAACTATGCAGC TGAGTAACACCTGAAAGCTCTGCAAGAGTGTGTGGTTAGTGAGAAAAGCAAAAGGTGCTT TTATCCACAGTATCTGATTAACAAAAACAAAGCAATTTACAAAAAAGCACCAATGAT ACTTTAAAAATAAATAGTTCATCATTTTGTGAATATATACATGTAAGTCCACTTCTCGA GGATCTAGCTATCTAAAAGTGGCATATCACTATCCAGAGGTGCANGNAGCAGTCACATA AATAAAACAGTNGTAGCTNCACTAGCTTCACTTCACTCAATGGCTCCAGCGAACAAAGCT ACTTAGGGTAGGNTCTAGGTCTAGCTGCTTCCAAATCTCATCACTNCATGGTTNATCTAA GAGAAAACTCTGATGATGCTGTGACTCGCTGTCAAAAAAAG
Restriction Sites:	NotI-NotI
ACCN:	NM_004506
Insert Size:	2550 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:	<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_004506.2 , NP_004497.1
RefSeq Size:	2444 bp
RefSeq ORF:	1611 bp
Locus ID:	3298
UniProt ID:	Q03933
Cytogenetics:	6q22.31
Domains:	HSF

Protein Families: Transcription Factors

Gene Summary: The protein encoded by this gene belongs to the HSF family of transcription factors that bind specifically to the heat-shock promoter element and activate transcription. Heat shock transcription factors activate heat-shock response genes under conditions of heat or other stresses. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2011]

Transcript Variant: This variant (1) encodes the longest isoform (a). 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.