

Product datasheet for **SC325152**

HSF2 (NM_001135564) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: HSF2 (NM_001135564) Human Untagged Clone
Tag: Tag Free
Symbol: HSF2
Synonyms: HSF 2; HSTF 2
Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_001135564, the custom clone sequence may differ by one or more nucleotides

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ATGAAGCAGAGTTCGAACGTGCCGGCTTTCCTCAGCAAGCTGTGGACGCTTGTGGAGGAA
ACCCACACTAACGAGTTCATCACCTGGAGCCAGAATGGCCAAAGTTTTCTGGTCTTGGAT
GAGCAACGATTTGCAAAAAGAAATCTTCCCAAATATTTCAAGCACAATAATATGGCAAGC
TTTGTGAGGCAACTGAATATGTATGGTTTCCGTAAGTAGTACATATCGACTCTGGAATT
GTAAGCAAGAAAGAGATGGTCTGTAGAATTTCAAGCATCCTTACTTCAAACAAGGACAG
GATGACTTGTGGAGAACATTAAGGAAGGTTTCATCTTCAAACCAGAAGAAAATAAA
ATTCGTCAGGAAGATTTAACAAAATTATAAGTAGTGCTCAGAAGTTTCAGATAAAAACAG
GAAACTATTGAGTCCAGGCTTTCTGAATTAAGTAGTGAGATGAGTCCCTTTGGAAGGAG
GTGTCAGAATTACGAGCAAAGCATGCACAACAGCAACAAGTTATTCGAAAAGATTGCCAG
TTTATTGTTACATTGGTTCAAATAACCAACTGTGAGTTTAAACGTAAAAGGCCTCTA
CTTCTAAACACTAATGGAGCCCAAAAAGAAGAACCTGTTTCAGCACATAGTCAAAGAACCA
ACTGATAATCATCATATAAAGTCCACACAGTAGGACTGAAGGTTTAAAGCCAAGGGAG
AGGATTTCCAGATGACATCATTATTTATGATGTTACTGATGATAATGCAGATGAAGAAAAT
ATCCCAGTATTCCAGAACTAATGAGGATGTTATATCTGATCCCTCCAAGTGTAGCCAG
TACCCTGATATTGTCATCGTTGAAGATGACAATGAAGATGAGTATGCACCTGTCATTCAG
AGTGGAGAGCAGAATGAACCAGCCAGAGAATCCCTAAGTTCAGGCAGTGATGGCAGCAGC
CCTCTCATGTCTAGTGCTGCCAGCTAAATGGCTCATCCAGTCTGACCTCAGAAGATCCA
GTGACCATGATGGATTCCATTTTGAATGATAACATCAATCTTTTGGAAAGGTTGAGCTG
TTGGATTATCTTGACAGTATTGACTGCAGTTTAGAGGACTTCCAGGCCATGCTATCAGGA
AGACAATTTAGCATAGACCCAGATCTCCTGGTTGATTCTGAGAATAAAGGATTAGAACT
ACCAAGAACAATGTAGTTCAGCCAGTTTCGGAAGAGGGAAGAAAATCTAAATCCAAACCA
GATAAGCAGCTTATCCAGTATACCGCTTTCCACTTCTTGCACTTCTCGATGGGAACCT
GCTTCTTCTGTTGAACAGGCGAGTACAACAGCATCATCAGAAGTTTTGTCCTCTGTAGAT
AAACCCATAGAAGTTGATGAGCTTCTGGATAGCAGCCTAGACCCAGAACCAACCCAAAGT
AAGCTTGTTCGCCTGGAGCCATTGACTGAAGCTGAAGCTAGTGAAGCTACACTGTTTTAT
TTATGTGAACTTGCTCCTGCACCTCTGGATAGTGATATGCCACTTTTAGATAGC
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Restriction Sites: Please inquire
ACCN: NM_001135564



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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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001135564.1 , NP_001129036.1
RefSeq Size:	2643 bp
RefSeq ORF:	1557 bp
Locus ID:	3298
UniProt ID:	Q03933
Cytogenetics:	6q22.31
Protein Families:	Transcription Factors
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an in-frame coding exon compared to variant 1. This results in a shorter isoform (b) missing an internal protein segment compared to isoform a. Updated summary and variant texts. [BR]. 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.</p>