

Product datasheet for **SC321225**

HSF1 (NM_005526) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSF1 (NM_005526) Human Untagged Clone
Tag:	Tag Free
Symbol:	HSF1
Synonyms:	HSTF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_005526.2
 CCGCGGCCATGCTGGGCCCGGGGCTGTGTGTGCGCAGCGGGCGGGCGCGGCCCGGAA
 GGCTGGCGCGGCGACGGCGTTAGCCCGGCCCTCGGCCCTCTTTGCGGCCGCTCCCTCCG
 CCTATTCCTCCTTGCTCGAGATGGATCTGCCCGTGGGCCCGGGCGGGGGGCCAGC
 AACGTCCCGGCCCTTCTGACCAAGCTGTGGACCCTCGTGAGCGACCCGGACACCGACGCG
 CTCATCTGCTGGAGCCCGAGCGGGAACAGCTTCCACGTGTTGACCAGGGCCAGTTTGCC
 AAGGAGGTGCTGCCCAAGTACTTCAAGCACAACAACATGGCCAGCTTCGTGCGGCAGCTC
 AACATGTATGGCTTCCGAAAGTGGTCCACATCGAGCAGGGCGGCCTGGTCAAGCCAGAG
 AGAGACGACACGGAGTTCAGCACCCATGCTTCCTGCGTGGCCAGGAGCAGCTCCTTGAG
 AACATCAAGAGGAAAGTGACCAGTGTGTCCACCCTGAAGAGTGAAGACATAAAGATCCGC
 CAGGACAGCGTCACCAAGCTGCTGACGGACGTGCAGCTGATGAAGGGAAAGCAGGAGTGC
 ATGGACTCCAAGCTCCTGGCCATGAAGCATGAGAATGAGGCTCTGTGGCGGGAGGTGGCC
 AGCCTTCGGCAGAAGCATGCCAGCAACAGAAAGTCGTCAACAAGCTCATTAGTTCTG
 ATCTCACTGGTGCAGTCAAACCGGATCCTGGGGTGAAGAGAAAGATCCCCTGATGCTG
 AACGACAGTGGCTCAGCACATTCATGCCCAAGTATAGCCGGCAGTTCTCCTGGAGCAC
 GTCCACGGCTCGGCCCTACTCGGCCCTCCCGAGCTACAGCAGCTCCAGCCTCTAC
 GCCCTGATGCTGTGGCCAGCTCTGGACCATCATCTCCGACATCACCGAGCTGGCTCCT
 GCCAGCCCATGGCTCCCCCGGGGAGCATAGACGAGAGGCCCTATCCAGCAGCCCC
 CTGGTGCCTGTCAAGGAGGAGCCCCAGCCCGCTCAGAGCCCCGGGTAGAGGAGGGG
 AGTCCCGGGCGCCATCTTCCGTGGACACCCTCTGTCCCGACCGCCCTCATTGACTCC
 ATCCTGCGGGAGAGTGAACCTGCCCGCCCTCCGTACAGCCCTCACGGACGCCAGGGG
 CACACGGACACCGAGGGCCGGCTCCCTCCCCCGCCACCTCCACCCCTGAAAAGTGC
 CTCAGCTAGCCTGCCTGGACAAGAATGAGCTCAGTGACCACTTGATGCTATGGACTCC
 AACCTGGATAACCTGCAGACCATGCTGAGCAGCCACGGCTTCAGCGTGGACACCAGTGCC
 CTGCTGGACCTGTTAGCCCTCGGTGACCGTGCCTGACATGAGCCTGCCTGACCTTGAC
 AGCAGCCTGGCCAGTATCCAAGAGCTCCTGTCTCCCAGGAGCCCCCAGGCCTCCCGAG
 GCAGAGAACAGCAGCCCGGATTAGGGAAGCAGCTGGTGCCTACACAGCGCAGCCGCTG
 TTCCTGCTGGACCCCGCTCCGTGGACACCGGGAGCAACGACCTGCCGGTGTGTTGAG
 CTGGGAGAGGGCTCCTACTTCTCCGAAGGGGACGGCTTCGCCGAGGACCCACCCTCC
 CTGCTGACAGGCTCGGAGCTCCCAAAGCAAGGACCCACTGTCTCCTAGAGGCCCGG
 AGGAGCTGGGCCAGCCGCCACCCACCCAGTGCAGGGCTGGTCTTGGGGAGGCAGG
 GCAGCCTCGCGGTCTTGGGCACTGGTGGTTCGGCCGCATAGCCCAAGTGGACAAAACGG
 GCTCGGGTCTGGGCAGCACCTCTGGTCAGGAGGGTCAACCTGGCCTGCCAGTCTGCCTTC
 CCCCACCCCGTGTCTGTGGTTTGGTTGGGGCTTACAGCCACACCTGGACTGACCCTG
 CAGGTTGTTTATAGTCAGAATTGATTTTGGATTTTACACAAGTGTCCCGTTCCCGCT
 CCACAGAGATACAGATATATACACACAGTGGATGGACGGACAAGACAGGCAGAGATCT
 AATAACAGACAGGCTCTAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_005526

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	<p>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.</p>
Components:	<p>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).</p>
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_005526.2 , NP_005517.1
RefSeq Size:	2166 bp
RefSeq ORF:	1590 bp
Locus ID:	3297
UniProt ID:	Q00613
Cytogenetics:	8q24.3
Domains:	HSF
Protein Families:	Transcription Factors
Gene Summary:	<p>The product of this gene is a transcription factor that is rapidly induced after temperature stress and binds heat shock promoter elements (HSE). This protein plays a role in the regulation of lifespan. Expression of this gene is repressed by phosphorylation, which promotes binding by heat shock protein 90. [provided by RefSeq, Jul 2017]</p>