

Product datasheet for **SC313593**

HSF4 (NM_001538) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSF4 (NM_001538) Human Untagged Clone
Tag:	Tag Free
Symbol:	HSF4
Synonyms:	CTM; CTRCT5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC313593 representing NM_001538.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

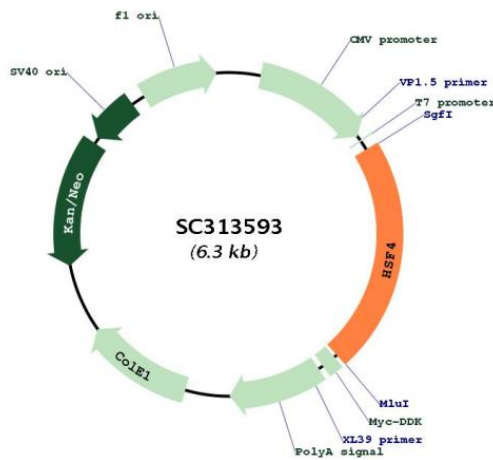
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Restriction Sites:

Sgfl-MluI

Plasmid Map:



ACCN: NM_001538

Insert Size: 1389 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).
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:	<u>NM_001538.3</u>
RefSeq Size:	2532 bp
RefSeq ORF:	1389 bp
Locus ID:	3299
UniProt ID:	<u>Q9ULV5</u>
Cytogenetics:	16q22.1
Domains:	HSF
Protein Families:	Druggable Genome, Transcription Factors
MW:	50 kDa
Gene Summary:	<p>Heat-shock transcription factors (HSFs) activate heat-shock response genes under conditions of heat or other stresses. HSF4 lacks the carboxyl-terminal hydrophobic repeat which is shared among all vertebrate HSFs and has been suggested to be involved in the negative regulation of DNA binding activity. Two alternatively spliced transcripts encoding distinct isoforms and possessing different transcriptional activity have been described. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes the shorter protein (isoform a). This variant, alternatively referred to as HSF4a, functions as an inhibitor of the constitutive expression of heat shock genes.</p>