

## Product datasheet for SC307744

### MHF1 (CENPS) (NM\_198544) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MHF1 (CENPS) (NM_198544) Human Untagged Clone
Tag:	Tag Free
Symbol:	MHF1
Synonyms:	APITD1; APITD1-CORT; CENP-S; CENPS; FAAP16; MHF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307744 representing NM_198544. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**  
 ATGGAGGAGGAGCGGAGACCGAGGAGCAGCAGCGATTCTTACCAACAGAGGCTAAAGGCAGCAGTT  
 CACTATACTGTGGTTGTCTTTGCGAGGAAGTTGCATTGGACAAAGAGATGCAGTTCAGCAAACAGACC  
 ATTGCGGCCATTTTCGAGCTGACTTTCCGACAGTGTGAAAATTTTGCCAAAGACCTTGAAATGTTTGCA  
 AGACATGCGAAAAGAACCACAATTAACACTGAAGATGTGAAGCTCTTAGCCAGGAGGAGTAATTCAGT  
 CATATGCAGGAAGCGGCAGGAATAAGGAAAAGCAGCCTCCTGACTTTCCTCGCTTGGTGGTTTGAGTGG  
 ACCTCCCAGGCCAGTGCCGGGCCCTCATAGGAGAGGAAGCCCGGAGGTGGCCAGGCGGCAGGAAGGC  
 GCACCCCCCAGCAATCTGCGCGCCGGGACAGAATGCCCTGCAGGAACCTCTTCTGGAAGACCTTCTCC  
 TCCTGCAAA**TAA**  
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_198544
Insert Size:	495 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).


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<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_198544.3</u>
<b>RefSeq Size:</b>	1326 bp
<b>RefSeq ORF:</b>	495 bp
<b>Locus ID:</b>	100526739
<b>UniProt ID:</b>	<u>Q8N2Z9</u>
<b>Cytogenetics:</b>	1p36.22
<b>MW:</b>	19 kDa
<b>Gene Summary:</b>	<p>This locus represents naturally occurring read-through transcription between the neighboring APITD1 (apoptosis-inducing, TAF9-like domain 1) and CORT (cortistatin) genes. Alternative splicing results in multiple transcript variants, two of which encode fusion proteins that share sequence identity with the products of each individual gene. [provided by RefSeq, Aug 2011]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1), which shares sequence identity with the products of both the APITD1 and CORT genes.</p>