

## Product datasheet for **SC205616**

### **MHF1 (CENPS) (NM\_199294) Human 3' UTR Clone**

#### Product data:

Product Type:	3' UTR Clones
Product Name:	MHF1 (CENPS) (NM_199294) Human 3' UTR Clone
Symbol:	MHF1
Synonyms:	APITD1; CENP-S; FAAP16; MHF1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_199294
Insert Size:	423 bp
Insert Sequence:	<p>&gt;SC205616 3' UTR clone of NM_199294</p> <p>The sequence shown below is from the reference sequence of NM_199294. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Red</b>=Cloning site <b>Blue</b>=Stop Codon</p>

CAATTGGCAGAGCTCAGAATTCAAGCGATCGC

TTCAAGGCAGCCAGCAGAGGCTGGAGTGGTGGAAAGTGAGAATTAAGTCCCTCGCCGCTTGAAAGTGC  
AGCCTTCTACAGGTAGAGCCACCTAGAAATGCATATGGCTGCAAAGGAACTTTGAAGGGTTAAATAGAG  
ATTTAAAAAATAAAATAAAAGGCTGGGCTAGGTGCTTTTTGTGCTGAATTCTCCACATTGTTAACTG  
CCAAAGCTAGTTTATAGAGAAATGAGAAAGTCTTAAGCAAAATACTCCAGGTCTCACTCCAGAACATAAAA  
ATGGTGTGTGATCAAAATGGTATATATTAGAAATTACATCTGTTGTAATTAATTTGTGTGAGCAATTAA  
CATGGTTGACTTTTTCAAGCAAAATCAGTTCATCTTTTGATGTAATTTCTAGGCTAAATGGCAATCTC  
TGA

ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).



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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_199294.1</u>
Summary:	This gene was identified in the neuroblastoma tumor suppressor candidate region on chromosome 1p36. It contains a TFIID-31 domain, similar to that found in TATA box-binding protein-associated factor, TAF(II)31, which is required for p53-mediated transcription activation. This gene was expressed at very low levels in neuroblastoma tumors, and was shown to reduce cell growth in neuroblastoma cells, suggesting that it may have a role in a cell death pathway. The protein is a component of multiple complexes, including the Fanconi anemia (FA) core complex, the APITD1/CENPS complex, and the CENPA-CAD (nucleosome distal) complex. Known functions include an involvement with chromatin associations of the FA core complex, and a role in the stable assembly of the outer kinetochore. Alternative splicing of this gene results in multiple transcript variants. Naturally occurring read-through transcripts also exist between this gene and the downstream cortistatin (CORT) gene, as represented in GeneID:100526739. An APITD1-related pseudogene has been identified on chromosome 7. [provided by RefSeq, Nov 2010]
Locus ID:	378708