

Product datasheet for SC205617

OriGene Technologies, Inc.

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MHF1 (CENPS) (NM 199295) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: MHF1 (CENPS) (NM_199295) Human 3' UTR Clone

Symbol: MHF1

Synonyms: apoptosis-inducing, TAF9-like domain 1; CENP-S; CENPS; centromere protein S; MGC32686;

OTTHUMP00000065118; OTTHUMP00000065119

Mammalian Cell

Selection:

Neomycin

Vector: pMirTarget (PS100062)

ACCN: NM_199295

Insert Size: 448 bp

Insert Sequence: >SC205617 3'UTR clone of NM_199295

The sequence shown below is from the reference sequence of NM_199295. The complete

sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG

TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC

GAGGCTGGAGTGGTAAAGTGAGAATTAAAGTCCCTCGCCGCTTGGAAAGTGCAGCCTTCTACAGGTA GAGCCACCTAGAAATGCATATGGCTGCAAAGGAAACTTTGAAGGGTTAAATAGAGATTTAAAAAAATAA AATAAAAAGGCTGGGCTAGGGTGCTTTTTGTGCTGAATTCTCCACATTGTTAACTGCCAAAGCTAGTTT TAGAGAATGAGAAAGTCTTAAGCAAAATACTCCCAGGTCTCACTCCAGAACATAAAAAATGGTGTGAT CAAATGGTATATTTAGAAAATTACATCTGTTGTAATTAAAAATTGTGTGAGCAATTAAACATGGTTGACT TTTTCAAGCAAAAATCAGTTCATCTTTTGATGTAATTTTCTAGGCTAAATGGCAATCTCTGAAAGATGA

ATAAAGCTATATTTATTTAAAAAAAAAAAAAAAAA

ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA

CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: Sgfl-Mlul

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).





MHF1 (CENPS) (NM_199295) Human 3' UTR Clone - SC205617

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 199295.1</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

MW: 17.1