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Product datasheet for SC307926

MHF1 (CENPS) (NM_199294) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MHF1 (CENPS) (NM_199294) Human Untagged Clone
Tag:	Tag Free
Symbol:	MHF1
Synonyms:	APITD1; CENP-S; FAAP16; MHF1
Vector:	pCMV6 series
Fully Sequenced ORF:	>NCBI ORF sequence for NM_199294, the custom clone sequence may differ by one or more nucleotides ATGGAGGAGGAGGCGGAGACCGAGGAGCAGCAGCGATTCTCTTACCAACAGAGGCTAAAG GCAGCAGTTCACTATACTGTGGGTTGTCTTTGCGAGGAAGTTGCATTGGACAAAGAGATG CAGTTCAGCAAACAGACCATTGCGGCCATTTCGGAGCTGACTTTCCGACAGTGTGAAAAT TTTGCCAAAGACCTTGAAATGTTTGCAAGACATGCGAAAAGAACCACAATTAACACTGAA GATGTGAAGCTCTTAGCCAGGAGGAGTAATTCACTGCTAAAATACATCACAGACAAAAGT GAAGAGATTGCTCAGATTAACCTAGAACGAAAAGCACAGAAGAAAAAGAAGTCAGAGGAT GGAAGCAAAAATTCAAGGCAGCCAGCAGAGGCTGGAGTGGTGGAAAGTGAGAATTAA
Restriction Sites:	Please inquire
ACCN:	NM_199294
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).

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Reconstitution Method:	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_199294.1, NP_954988.1
RefSeq Size:	1251 bp
RefSeq ORF:	417 bp
Locus ID:	378708
UniProt ID:	Q8N2Z9
Cytogenetics:	1p36.22
Gene 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] Transcript Variant: This variant (A) represents the shorter transcript but encodes the functional protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.