

Product datasheet for **MC201779**

Chtf18 (NM_145409) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chtf18 (NM_145409) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Chtf18
Synonyms:	6030457M03Rik; Chl12; CTF18
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC024142 sequence for NM_145409
 GCGCGGTGGCGGCGCGGGAAGTTCTGAGGGACTCTGAGCTGTGGGAGTTGTGGTCTGGCTCCATGGA
 AGACTACGAGGAAGATCTGTATGGTGTGGAGGATGATTTCCAAAACCAAGTTCGCAGCTGAGCTCGAAGTG
 CTGGCTGAGCTGGAAGGAACACGGGACCAGGCTCCTCCTGGGACCCTCCAACTCCAGCGAGCCGCCCTC
 CGCTAACCTTCGAAGAGGCCATCGCTGGTGGGACACTGTCCCGCTCCCTGCCCTGCAGGGTCGCCAGG
 AAATGTCAACCGCAATACTAGAAAAGATGTTTCGTAGGGACCAGCCCGCCCTCCAGCCCCATGGTCAAA
 GACCCAGGTTGGACGTGGTGAAGAAGCTGAACCTTGGCCAGATATGGAGGAGCTTTATATCCAGATT
 CCCCTCCTGGGGACATTACCCCTCCACCGAGTCCAGAGGCTTCCCTGAGATGTTGGATGCTGGGTATTC
 AGATGCTAATGCTGACAAAGACCTCATGCAGACATTGCCAAGTCCCCGAAATCGCAATCCTGTCCTGAGA
 CGGCCTCTATCTTAGAAGATTATCAATGTGACATCCACAAGTGGAGAACGGGCCCTTTTTGGTCTTC
 GGGCTGACCTCATAGGCCCTGGGGTGCAGAACCCTCTTAGATGTCCACTGGCGAGGCTGTGGCCAACT
 GGACCTGCTGGGTGTCCCTTCGCCTCCCTGAAGGAGCAAGTTGATAGCAAGAGACGGCAACAACCTGCTG
 GAGGATGCCAACAGCTTTCAGACACTCTACACAGCTCAGGTCTGAAGGAGAGGAGGCTGTGCTTGAAG
 GGCCCCCTGCGGAGGAGCCAGCCCTGGCCAGAACCCGCTCAGCACTGCCTCTGGGTGGATGAGTTTGC
 ACCTCAGCATTACACGGAAGTCTCAGTACGATTTTACCAACCGCTGCCTACTCAAGTGGCTGAAGCTA
 TGGGACCTTGTGGTGTGGCCGTGAGAGACCTGCCCGAAGCCAGACCTGGTGTAGAGACCACCCGGG
 TTGGGAAGGAGGCTACAGCCCCTGGCAAGTGGAAAAGCCATGAGCAGGCACTGGAGGAGATGCTAGAAGC
 TGAAGTGGACCCTAGCCAGAGGCCCTCGGCAGAAGGTGGCACTGTTGTGTGGCCCTCCAGGACTAGGCAAG
 ACCACGCTGGCACATGTGGTCCGAAGGCATGCAGGGTATTGCGTGGTAGAGATGAATGCAAGTGTGACC
 GTAGCCCGGAGGCTTCCGTACACGCATTGAAGCAGCTACGCAATGGAGTCGGTTCTGGGTGTGGGTGG
 GAGGCCAACTGCCTGGTTATTGATGAGATCGACGGGGCCCCACGGCGCCATCAACGTTCTTTTGGGT
 ATCCTGAATCGCAAGGGTCCGCAGGAGGCCGACCAAGGAGGCACAGCTGTGGCCGAGGGGGCGCGGCG
 GCAGGGCCGAGGGGGTCTCCTAACAGGCCTATCATCTGCATCTGCAATGATCAGTTCACACTCTCT
 GAGGCAGCTGAAGCAGCAGGCTCTCTGCTCCAGTCCCGCAACTCTGCCCTCCAGGCTGGTGCAGCGG
 CTCAGGAGATCTCCCTGCAGCATGGCATGCGCTCTGACCCGGGTGCACTGGTTGCCCTCTGTGAGAAGA
 CCGACAATGACATCCGTGCCTGCATCAACACCCTGCAGTTTCTGTATGGGAGGGCCGGCGGAGCTGAG
 TGTGAAGGCTGTGCAGACCCTCATGTCCGCTGAAGGACCAGCGCAAGGGGCTATTCTCTGTGTGGCAA
 GAGGTCTCCAGTTGCCAGGACTCAAAGGAGAATCGTGGGCCAGGACCTGATGCTGCCAGCCCACGCTC
 TCCTGCTCAGCAATGGTACAAGGGCTCTGACCCTGGCCTCCAGCGCTTTTACCACATCCTGCGTGT
 GACCACCTCTGCGGGCGAGCATGAGAAGTTGTCCAGGGCTGTTGACAACCTTCTACGCTTCGGCTT
 CGGGACTCCAGCTTAAGCACCGTGTGCTGTGCCCTCGACTGGCTGGCCTTTGATGACCTGCTGGAGCAGG
 CTGCCACCGTGCCAGAGCTTCCAGTTGCTGTGCTACTTGCCCTTCGTGCTGCGGCCTCCACAGTGT
 CTTTGCCTCCAGCCATGTGCCACGAATCACTTTCCCAGCAGCCAGCAGGAGGCCAGACTCGGATGAGC
 CAGACAAGGAACACATACAGACACTGGTGTGAGGATGGCACCGACCACGCGTAGCCGGGCCACACCAC
 AGGCCCTTGTCTAGATACTCTCTGCCTGCTCCTGGATGTCTCGACCCAAAGTGCGCCCGTGAAGCAC
 ACAGCTGTACAGTGCCCATGAGAAGCAGCAGTTGTCTGCCTTGTGGGTACCATGCTTGCCTACAGTCTC
 ACCTACCACAGGAGCGCACACCTGATGGGCAGTACCTCTACAAGCTGGAGCCGAATGTGGAAGAGGTCT
 GCGCTTCCCTGAACTACCTGCCGAAAGCCCCACCTACCAGGCTAAGCAGCTTATTGCTCGGGAGAT
 TGAATGGAGAAGATGCGCAGGGCAGAGGCTTTGGCCTGGGCTCGAAGTGGCCCCAGTGGACCAGGGC
 TCCTCAGGGCCTGCAAGTCTGTGGACAGACAGTGGGAAAAGGAGACAAGGCAGCCTGCCACAGTAAAC
 ATGAGCAGCGCCTAGAACACATCATGAAGAGAGCAACCGTGCAGGAGCAGCCTGAGAGGGACTTCTTTGG
 ACGTGTGGTATCAGGAAAGTGGCAGTCCCGAGCAGAGAGTTGAGGCCCCAGAAAGGACGCGGACGAG
 TGGCGCATGGGTGTGGCAGTGGGAGGAGTGGGTGTGGTTCCGGTTCAACGAGGGCGTCTCAAATGCTG
 TTCGGCGCAGCTGTACATCAGGGACCTGCTGTAGCCCCACTGCCCCAGGACATCAGATCGCACTGGCTC
 CCACAGGGAATGGACTAAAGCAGAGACACCCGGAGAAGTCTATTTATAAAGTCACACCTTACAGAGAGTG
 TGGTCAAGGCTCAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_145409
Insert Size: 2910 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).
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:	BC024142 , AAH24142
RefSeq Size:	3110 bp
RefSeq ORF:	2910 bp
Locus ID:	214901
UniProt ID:	Q8BIW9
Cytogenetics:	17 A3.3
Gene Summary:	Chromosome cohesion factor involved in sister chromatid cohesion and fidelity of chromosome transmission. Component of one of the cell nuclear antigen loader complexes, CTF18-replication factor C (CTF18-RFC), which consists of CTF18, CTF8, DCC1, RFC2, RFC3, RFC4 and RFC5. The CTF18-RFC complex binds to single-stranded and primed DNAs and has weak ATPase activity that is stimulated by the presence of primed DNA, replication protein A (RPA) and by proliferating cell nuclear antigen (PCNA). The CTF18-RFC complex catalyzes the ATP-dependent loading of PCNA onto primed and gapped DNA. It also interacts with and stimulates DNA polymerase POLH (By similarity).[UniProtKB/Swiss-Prot Function]