

Product datasheet for **RC227418**

KIAA0427 (CTIF) (NM_001142397) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA0427 (CTIF) (NM_001142397) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KIAA0427
Synonyms:	Gm672; KIAA0427
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC227418 representing NM_001142397
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAAAACTCCTCTGCAGCATCAGCCTCCTCGGAGGCAGGGAGCAGCCGCTCCCAGGAGATCGAGGAGC
 TGGAGCGCTTCATCGACAGCTACGTGCTGGAGTACCAGGTGCAGGGGCTGCTGGCTGACAAGACGGAGGG
 TGATGGCGAGAGCGAGAGACCCAGTCCCACATCTCCCAGTGGACAGCGGACTGCAGCGAACCGCTGGAC
 AGCAGCTGTTCTCTCCCGAGGGCGAGCCCCCACAGCAGAATGGCAGCAAAGACAACCTCTGGACA
 TGCTGGGCACGGACATCTGGGCGCCAACACCTTCGATTCTCAGTGGTCCACCTGGGACCTGCAGCC
 GAAAAAGCTGGACTTCACCCAGTTCACCCGAAAGTCCGACACACGCCAAAGCAGCCCTGCCACACATC
 GACCGCAAGGGTGTGGCAAAGGAAGTGAAGATGGGGATGGCATCAACCTGAATGACATCGAGAAGG
 TCCTTCCAGCCTGGCAGGGCTACCACCCGATGCCCATGAAGTGGAGATCGCACACCAAGAAGCTGTT
 CCGCAGGAGGAGAAATGATCGAAGGCGGCAGCAGAGACCTCCGGGGGCAACAAGCCCCAACAGCATGGT
 GACCACCAGCCAGGCAGTGCCAAACACAACAGGGACCACCAGAAATCCTACCAGGGGGGCTCAGCACCCC
 ACCCCTCAGGGAGGCCACTCACCATGGCTACAGCCAGAACCAGGCGCTGGCACCATGGCAACATGAAGCA
 CCCACCAGGCGACAAGGGGGAGGCAGGCGCACACCCGCAATGCCAAAGAGACCATGACCATCGAGAACCCA
 AAAGTGGAGGACTGCAGGGGACACCGGGCACAGCAGCCTTGAGGCCCCCCGACGCCCTGACACCCTGG
 CCCCAGTGGCTTCTGAGCGGCTGCCCCACAGCAGTCAAGGGGGCCAGAGGTTGAGACAAAACGTAAGA
 CAGTATTCTTCCGAGCGCATCGGGAGCGGCCAAAATACCCTGCTCCAGTCTTCAAAGACAGACTG
 CGGCGAAGGCTAAAGGAAAAGTACCGGATGAAGTGGCGTGGAGACGACCACTCCCAGCAGAACAA
 TGGACAAGCTGATCGAGATCCTGAACAGCATGCGGAACAACAGCAGCGACGTGGACACCAAGCTCACC
 CTTTCATGGAGGAGGCCAGAACTCCACCAACTCGAGGAGATGCTGGGCGAGATCGTGGCACAATCTAC
 CAGAAGGCTGTGTCGACCGCAGCTTCGCTTCCAGGCTGCCAAGCTCTGCGACAAGATGGCGCTCTTTA
 TGGTGGAGGGGACCAAGTTCGGAGCCTGCTCCTCAACATGCTGCAGAAGGACTTACGGTGCAGGAGGA
 GCTGCAGCAGCAGGACGTGGAGCGCTGGCTGGCTTTCATCACCTTCTGTGCGAGGTCTTCGGCACCATG
 CGCAGCAGCACAGGCGAGCCCTCCGTGTGCTCGTGTGCCCATCTACACCTGCCTCAGGGAGCTTTGC
 AATCTCAGGATGTGAAGGAAGATGCTGTCCTTTGCTGCTATGGAGCTGCAGAGTACAGGCCGGCTGCT
 GGAGGAACAGCTGCCTGAGATGATGACAGAGCTCCTGGCCAGCGCACGGGACAAGATGCTGTGCCCTCG
 GAGTCCATGCTGACCCGGTCTGCTCCTAGAGGTCATCGAGCTCCACGCTAACAGCTGGAACCCCTCTGA
 CGCCCCCATCACGCAGTACTACAACAGAACCATCCAGAAACTGACAGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC227418 representing NM_001142397
 Red=Cloning site Green=Tags(s)

MENSSAASASSEAGSSRSQEIIEELERFIDSYVLEYQVQGLLADKTEGDGESERTQSHISQWTADCSEPLD
 SSCSFSRGRAPPQNGSKDNSLDMLGTDIWAANTFDSFSGATWDLQPEKLDFTQFHRKVRHTPKQPLPHI
 DREGCGKGLLEDGGINLNDIEKVLPAWQGYHPMPHEVEIAHTKKLFRRRNRDRRQQRPPGKNKPPQHG
 DHQPGSAKHNRDHQKSYQGSAPHPSGRPTHGYSQNRWRHGNMKHPPGDKGEAGAHNAKETMTIENP
 KLEDTAGDTGHSSLEAPRSPDTPAPVASERLPPQQSGGPEVETKRKDSILPERIGERPKITLLQSSKDRL
 RRRLKEKVPDEVAVETTTTPQQNKMDKLEILNSMRNNSDVTDLTTFMEEAQNSTNSEMLGEIVRTIY
 QKAVSDRSFAFTAACLCDKMLFMVEGTFKFRSLLNMLQKDFTVREELQQQDVERWLGITFLCEVFGTM
 RSSTGEPFRVLVCPITYCLRELLQSQDVKEDAVLCCSMELQSTGRLLLEEQLPEMMTELLASARDKMLCPS
 ESMLTRSLLELVIELHANSWNPLTPPITQYNNRTIQKLTA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8101_b10.zip

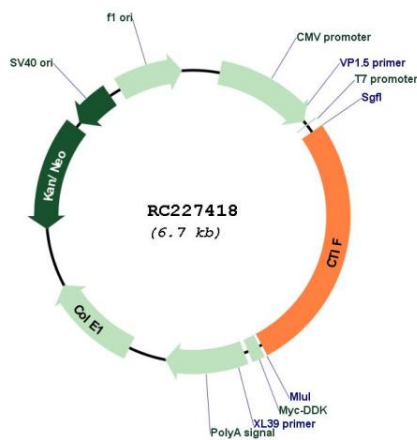
UniProt ID: [O43310](#)

Cytogenetics: 18q21.1

MW: 67.8 kDa

Gene Summary: CTIF is a component of the CBP80 (NCBP1; MIM 600469)/CBP20 (NCBP2; MIM 605133) translation initiation complex that binds cotranscriptionally to the cap end of nascent mRNA. The CBP80/CBP20 complex is involved in a simultaneous editing and translation step that recognizes premature termination codons (PTCs) in mRNAs and directs PTC-containing mRNAs toward nonsense-mediated decay (NMD). On mRNAs without PTCs, the CBP80/CBP20 complex is replaced with cytoplasmic mRNA cap-binding proteins, including EIF4G (MIM 600495), and steady-state translation of the mRNAs resumes in the cytoplasm (Kim et al., 2009 [PubMed 19648179]).[supplied by OMIM, Dec 2009]

Product images:



Circular map for RC227418