

Product datasheet for **RC230823**

CTCF (NM_001191022) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTCF (NM_001191022) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CTCF
Synonyms:	CFAP108; FAP108; MRD21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC230823 representing NM_001191022
 Red=Cloning site Blue=ORF Green=Tags(s)

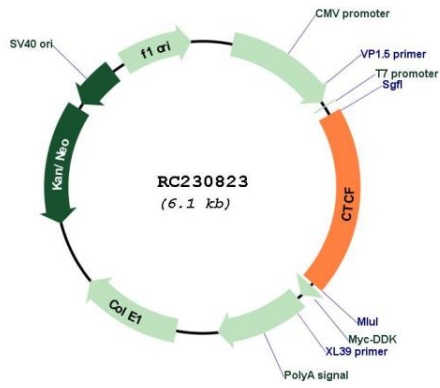
TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

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 CTTACCAGAGACCCGGGAAGGGGGCCAGGAAGAAGATGCCTGCCACTTACCCCAGAACCAGACGGATGG
 GGTGAGGTGGTCCAGGATGTCAACAGCAGTGTACAGATGGTGTGATGGAACAGCTGGACCCACCCCTT
 CTTCAGATGAAGACTGAAGTAATGGAGGGCACAGTGGCTCCAGAAGCAGAGGCTGCTGTGGACGATACCC
 AGATTATAACTTTACAGTTGTAATAATGGAGGAACAGCCATAAACATAGGAGAACTTCAGCTTGTTC
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 CAGTCATAGCCCAGAAAAGTGAATTTGGGTGCCACTTGCAGAAAGCAGCATTCTATATTGAGCAAGGCAA
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 GAAGAGGAGGCCAGCCAGCTGCCACAGATGCCCAACGGAGACCTCACGCCGAGATGATCCTCAGCA
 TGATGGACCGG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

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:	NM_001191022.1 , NP_001177951.1
RefSeq Size:	2985 bp
RefSeq ORF:	1200 bp
Locus ID:	10664
UniProt ID:	P49711
Cytogenetics:	16q22.1
Protein Families:	Transcription Factors
MW:	82.8 kDa
Gene Summary:	<p>This gene is a member of the BORIS + CTCF gene family and encodes a transcriptional regulator protein with 11 highly conserved zinc finger (ZF) domains. This nuclear protein is able to use different combinations of the ZF domains to bind different DNA target sequences and proteins. Depending upon the context of the site, the protein can bind a histone acetyltransferase (HAT)-containing complex and function as a transcriptional activator or bind a histone deacetylase (HDAC)-containing complex and function as a transcriptional repressor. If the protein is bound to a transcriptional insulator element, it can block communication between enhancers and upstream promoters, thereby regulating imprinted expression. Mutations in this gene have been associated with invasive breast cancers, prostate cancers, and Wilms' tumors. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2010]</p>

Product images:



Circular map for RC230823