

Product datasheet for **RC203671**

CHTF18 (NM_022092) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	CHTF18
Synonyms:	C16orf41; C321D2.2; C321D2.3; C321D2.4; CHL12; Ctf18; RUVBL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC203671 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGGACTACGAGCAGGAGCTGTGCGGCGTCGAGGATGATTTCCACAACCAGTTCGCGGCCGAGCTGG
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Protein Sequence:

>RC203671 protein sequence
Red=Cloning site Green=Tags(s)

MEDYEQELCGVEDDFHNQFAAELEVLAELGASTPSPSGVPLFTAGRPRTFEEALARGDAASSPAPAAS
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ELWGHGVSEAAADVGLTRASPAARNPVLRRPPILEDYVHVTSTEGVAYLVLRADPMAPGVQGSLLHVPW
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LWVDEFAPRHYTELLSDDFTNRCLLKWLKLDLVVFGHERPSRKPRPSVEPARVSKEATAPGKWSHEQV
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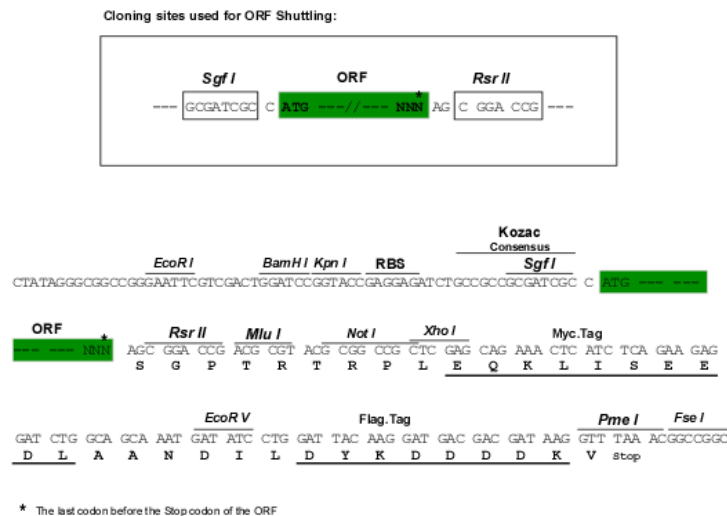
Chromatograms:

https://cdn.origene.com/chromatograms/mk6623_e12.zip

Restriction Sites:

SgfI-RsrII

Cloning Scheme:

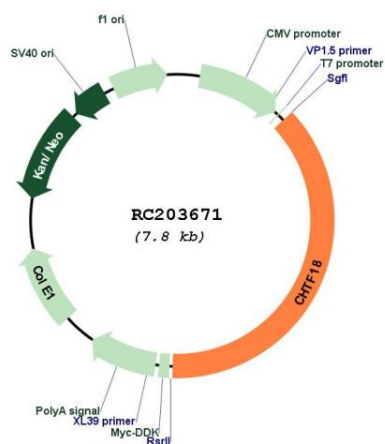


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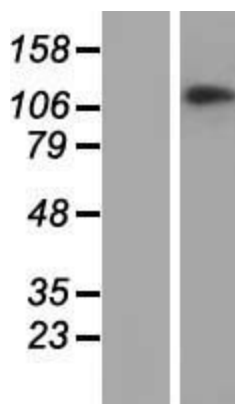
NM_022092

ORF Size:	2925 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_022092.1 , NP_071375.1
RefSeq Size:	3096 bp
RefSeq ORF:	2928 bp
Locus ID:	63922
UniProt ID:	Q8WVB6
Cytogenetics:	16p13.3
MW:	107.4 kDa
Gene Summary:	This gene encodes a protein which is a component of a replication factor C (RFC) complex, which loads proliferating cell nuclear antigen (PCNA) on to DNA during the S phase of cell cycle. The encoded protein may interact with other proteins, including RFC complex 3, to form a clamp loader complex that plays a role in sister chromatid cohesion during metaphase-anaphase transition. [provided by RefSeq, Jan 2016]

Product images:



Circular map for RC203671



Western blot validation of overexpression lysate (Cat# [LY411774]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203671 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).