

Product datasheet for **SC310934**

CHTF8 (NM_001040146) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHTF8 (NM_001040146) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHTF8
Synonyms:	CTF8; DERP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310934 representing NM_001040146. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGTGCAAATTGTTATTTCCAGTGCGAGGGCTGGAGGCCTGGCAGAATGGGTGCTGATGGAGCTACAG
 GGGGAGATCGAGGCTCGCTACAGCACTGGATTAGCTGGAAACCTCCTGGGAGACCTACATTACACCACT
 GAGGGAATCCCTGTGCTGATCGTGGGGCATCATCCTGTATGGGAAAATCATCCACCTGGAGAAACCT
 TTTGCAGTCCTTGTCAAACACACTCCTGGGGATCAGGACTGTGATGAGCTTGGCCGCGAGACTGGCACC
 CGGTACCTGGTGACGCACTCATCAAAGACAAGATCCTTTCAAACCCGCCCAAGCCATTATCACC
 AGCGTCCCAAGAAAGT**ATGA**
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001040146
Insert Size:	366 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).
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.


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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.
RefSeq:	<u>NM_001040146.3</u>
RefSeq Size:	2907 bp
RefSeq ORF:	366 bp
Locus ID:	54921
UniProt ID:	<u>P0CG13</u>
Cytogenetics:	16q22.1
MW:	13.3 kDa
Gene Summary:	This gene encodes a short protein that forms part of the Ctf18 replication factor C (RFC) complex that occurs in both yeast and mammals. The heteroheptameric RFC complex plays a role in sister chromatid cohesion and may load the replication clamp PCNA (proliferating cell nuclear antigen) onto DNA during DNA replication and repair. This gene is ubiquitously expressed and has been shown to have reduced expression in renal and prostate tumors. Alternatively spliced transcript variants have been described. This gene has a pseudogene on chromosome X. [provided by RefSeq, Oct 2018] Transcript Variant: This variant (4) differs in the 5' UTR compared to variant 1. Both variants 1 and 4 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.