

Product datasheet for **SC108097**

C13orf7 (RNF219) (NM_024546) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C13orf7 (RNF219) (NM_024546) Human Untagged Clone
Tag:	Tag Free
Symbol:	C13orf7
Synonyms:	C13orf7; RNF219
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_024546, the custom clone sequence may differ by one or more nucleotides

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ATGGCTCAGACCGTGCAGAATGTTACATTGTGCGTCACTCTGCCATCACGTGCCACATTTGCTTGGGA
AGGTACGTCAGCCTGTCATATGCATCAACAACCATGATTTTGTTCGATTTGATTGATTGTGGTTGAA
GAATAATAGCCAGTGTCCAGCTTCAGAGTCCCCATCACTCCTGAAAATCCTTGCAAAGAAATTATAGGA
GGAACAAGTGAAAGTGAACCTATGCTAAGCCATACGGTCAGGAAGCATCTTCGGAAAAGTACTTGAAT
TACTACACAAAGAATATGAGGACGAAATAGATTGTTTACAGAAAAGTAGAAGAGCTTAAGAGTAAAAA
TCTCAGCTTGGAGTCACAGATCAAACTATTCTGGATCCTTTAACCTTGGTGCAGGGCAACCAAAATGAA
GACAAACATCTAGTCACAGATAATCCAAGTAAATTAACCCAGAACTGTAGCAGAGTGGAGAAAAAAC
TCAGAACAGCTAATGAAATCTATGAAAAAGTGAAGATGATGTGGATAAGCTAAAGGAGGCAATAAAAA
ATTGAAATTTGAAATGGTGGTCTGGTGGAGGAGAATTTACGACTGAAGGCTGAAGTTGATAACAGATCA
CCTCAAAGTTTGAAGGTTTGCAGTTGCTGCTTTCAGTCCAAAGTAGAACAGTATGAGCGTGAACCA
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GGGAGCAAAGGCAGTGAAGGAGGATGTGGTGTCAAAGAATCAAGGCGATAGTGCCAGAAAGCAGCCTGGCT
CATCCACCTCCAGTTCTTCTCACCTAGCGAAGCCTTCCAGCAGCAGACTGTGTGACACCAGTTCTGCAAG
GCAGGAAAGTACCAGCAAAGCAGACCTTAAGTGTCTAAGAACAAGACCTATATCAAGAACAGGTAGAA
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CCTTCAGCTCAGTACTCCAGAAAATAGAGAGAGCTCTGTGGTCCAAGCAGGAGGTTCCAAAAAGCACTCA
AACCTCTCAGAAAATTTGGTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
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TCTGTTGGAGAAATATCTTCAAATTTAGTGAGAAATCAGGCTTATGTTTATCCAAAAGGTTGAATTCTA
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AATCTCTGAGTTGGATTCAATGATGTGAGAGTCAAGCAACAGCAAGAGCCCTTGAATAACGTTTTAAG
TCACTGGATTTGGATGGGTTATCAAAGTCACTCAAGGCAGTGAATTTCTTGAGGAACCTGATAAGTTGG
AAGAAAAACTGAGCTAAACCTTTCAAAGGTTCTCTAACTAATGATCAGTTAGAAAATGGAAGTGAATG
GAAACCCACTTCTTTTTTCTCCTCTCTCCATCTGACCAAGAAATGAATGAAGATTTTTCTACTCCATTCC
AGTTCTTGTCCAGTAACTAATGAAATCAAACCCCAAGCTGCTTGTTCAGACAGAGTTTTCCAGGGCA
TTTTGTTAAGCAGTTCACATCGACTATTTGAAGATCAAAGATTTGGGTCACTTTGTTTAAAGATGTCTC
AGAGATGCACAGTCTTCAATAACCACCTTCACTCTCCTTGGTCTACTTCTTTGTGCCTGAAAAGAGGAAT
AAAAATGTGAATCAATCAACAAAAGAAAAATCCAGAGCAGCCTTCCAGTGCCAGCCCATCAAAGCAA
CTAAAAGTTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_024546 unedited ACTCACTATAGGGCGCCGCAATTCGGCACGAGGGTTTGCAGTTGCTGCTCTTCAGTCC AAAGTAGAACAGTATGAGCGTGAACCAATCGCCTCAAGAAAGCCCTGGAACGAAGTAT AAGTATATAGAGGAACTAGAATCTCAAGTTGCACAGCTAAAAAATCAAGTGAAGAGAAA GAAGCTATGAATCCATTTGCCAGACAGCACTTCTGCAGATGGCAAAGGGAGCAAAGGC AGTGAGGAGGATGTGGTGTCAAAGAATCAAGGCGATAGTGCCAGAAAGCAGCCTGGCTCA TCCACCTCCAGTTCTTCTCACCTAGCGAAGCCTCCAGCAGCAGACTGTGTGACACCAGT TCTGCAAGGCAGGAAAGTACCAGCAAAGCAGACCTTAAGTGTCTAAGAACAAGACCTA TATCAAGAACAGGTAGAAGTAATGTTAGATGTGACAGATACAAGTATGGATACTTATTTG GAAAGAGAATGGGGGAATAAACCAAGTACTGTGTACCCTACAAAGATGAAGAACTTTAT GATCTTCCAGCTCCTTGTACTCCTTTGTCCCTTAGTTGCCTTCAGCTCAGTACTCCAGAA AATAGAGAGAGCTCTGTGGTCCAAGCAGGAGTTCCAAAAAGCACTCAAACCATCTCAGA ANATTGGTGTGGTATGATTTTTGTGATTCTTCANATGTTTCTAAATAAGATTCTTCAGAA GATGATANTAGTAGAAGTAAAAAGAAAAGAAATCAGAATGGTTTTTCTCCCAAGACAG GATTTGGGACTGGTNNGTACAGCTATGCCANACTTAATTTTGAAGTCAGAGGGACACGA TGCAAATCTGTGGAGAAATCTCAAATGATGAGAACAGCTATGTATNCAAGNTGATCTAT CCTCTTTGATGACCGCAGACATCAGGACATGAGTGTACTGCAAACCTGATGATCAGA GGCA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_024546 unedited GACGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTCAGGGCTTATGACA TTCTTTTATCAATTCACATAGAAAAAGCATGCAGTATTAATGTAAACAGTACAATATTA ATGTAAAAATGTTCAAGTGCACATTAACAGCATACATACCCATTTTTAAAGACCTATATAG GCATACCAAATACGTTTGAACAATACACTTTTTTCAGAGCCTAAATTAATAAATTGTGCTT ACCTCTTACCTATCTTACCCCCCTCAACACTCTTCACAGAAAAGTTTTGTCTACATAAA AGATATTCTATCAGCCAACTGAAACCTCTTTTTCTAAGTATGGAAAACACAGCAAGCAA AAATGCTACCATGCATAGTTTCCACAAAGAACAGGAACATGCAACAAGAAACATACTAC TCAAAAAGAAAACCTCCCTGGAATGCAAGTGATCAAGAACTTGGCGATGAGCTCTTTCAA ACCTGTTACATCTGGAACAATGAAGCTATGATGTTTTAGGTTCTCTAAACCAAGTGCT CCATGCCTTCTTTCCATAGTATGCTAAATTTCTGATTTTACACACATACACACACGCA GAGGAGAAAAATGTAAAGCTACCTAACATAAAACAATGTCTTCATATAGAAAATGTTNTCT TTCATACTAGCAGAACATTTTCCAAAACTGGACAAAACACAATGCTAAAAAATGCAAAAC ATATACATAAAACCTAAAAAAGAAAGTAAATCAATATTGGACTAAGGCTAGAGTGCTAT TTCTCCATCATGCCCTGCAGAAAACCTAGGCCATCACTAAACATAAATAAAAAGGGACAG GGTANAATANTTTCCACCCTGGGAAAAAGCTTNAACTCAGTGTCTTATTGAGCAGTGTAT AGACAACACTAAAAGTTTATTTAGAAAATCCANNGTCTGAGACAGTTGGGGCTTATTAC AGGC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_024546
Insert Size:	2890 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:

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_024546.1](#), [NP_078822.1](#)

RefSeq Size: 3552 bp

RefSeq ORF: 3552 bp

Locus ID: 79596

UniProt ID: [Q5W0B1](#)

Cytogenetics: 13q31.1

Gene Summary: E3 ubiquitin ligase essential for DNA replication origin activation during S phase (PubMed:31160578). Acts as a replication origin selector which selects the origins to be fired and catalyzes the multi-mono-ubiquitination of a subset of chromatin-bound ORC3 and ORC5 during S-phase (PubMed:31160578).[UniProtKB/Swiss-Prot Function]