

Product datasheet for **SC327619**

CHFR (NM_001161346) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHFR (NM_001161346) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHFR
Synonyms:	RNF116; RNF196
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_001161346, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCGGCCGAGGAAGGCAAGCAGTCGCCGCCGCGCAGCCCTGGGGACGGCTCCTG
CGTCTGGGCGCGGAGGAGGGCGAGCCGCACGTCTCTCTGAGGAAGCGGGAGTGGACCATC
GGGCGGAGACGAGGTTGCGACCTTTCCTTCCCCAGCAATAAACTGGTCTCTGGAGATCAC
TGTAGAATTGTAGTGGATGAAAAATCAGGTCAGGTGACACTGGAAGATACCAGCACCAGT
GGAACAGTGATTAACAAGCTGAAGTTGTTAAGAAGCAGACATGCCCTTTACAGACTGGG
GATGTCATCTACTTGGTGTACAGGAAGAATGAACCGGAACACAACGTGGCATAACCTCTAT
GAATCTTTAAGTAAAAGCAAGGATGACACAAGAATCCTTTGATACCTCAGGTGACAGGT
GCAGGGCGAGGGGCCGATCCCCGGTCCCTCCGTCGTCGCCCGCCACTCAGGTGTGCTTT
GAGGAACCACAGCCATCAACATCGACGTCAGACCTTTCACACAGCCTCGGCCTCTTCC
ACGGAGCCTTCTCCTGCAGGGCGAGAGCGTTTCTCCAGTTGTGGGTCTGGGGTGGTGGC
ATCTCCCTAAAGGAAGTGGTCCCTCTGTGGCAAGTGATGAAGTCTCCAGCTTTCCTCA
GCTCTCCAGACAGAAAGACTGCGTCTTTTCGTCGTTGGAACCCAGGATCAGGAGGAT
TTGGAGCCCGTGAAGAAGAAAATGAGAGGAGATGGGGACCTTGACCTGAACGGGCAGTTG
TTGGTCGCACAACCGCGTAGAAATGCCAAACCGTCCACGAGGACGTGAGAGCAGCGGT
GGGAAGCCAGACAAGATGGAGGAGACGCTGACATGCATCATCTGCCAGGACCTGTGCAC
GACTGCGTGAGTTTGAGCCCTGCATGCACACGTTCTGCGCGGCTTGCTACTCGGGCTGG
ATGGAGCGCTCGTCCCTGTGTCTACCTGCCGCTGTCCCGTGGAGCGGATCTGTA AAAAC
CACATCTCAACAACCTCGTGGAAGCATACCTCATCCAGCATCCAGACAAGAGTCGCAGT
GAAGAAGATGTGCAAAGTATGGATGCCAGGAATAAAATCACTCAAGACATGCTGCAGCCC
AAAGTCAGGCGGTCTTTTTCTGATGAAGAAGGGAGTTCAGAGGACCTGCTGGAGCTGCA
GACGTTGACAGTGAGTCTCAGACATTAGCCAGCCATACGTGTCGTGTCGGCAGTGTCTC
GAGTACAGAAGGCAGGCGCGCAGCCTCCCCACTGCCACACCCGAGGGCGAGCCAGGA
GCCCCACAGGCCCTGGGGATGCACCCTCCACGTCGTCAGCCTGACGACAGCAGTCCAG
GATTACGTGTGCCCTCTGCAAGGAAGCCACGCCCTGTGCACCTGTGCTTCCAGCCCATG
CCCAGCCGAGAGCGGAGCGGAGCAGGACCCGCGTGTGCCCTCAGCAGTGTGCGGTC
TGCCTGCAGCCTTTCTGCCACCTGTACTGGGGTGCACCCGGACCGGCTGCTACGGCTGC
CTGGCCCCGTTTTGTGAGCTCAACCTGGGTGACAAGTGTCTGGACGGCGTCTGAACAAC
AACAGCTACGAGTCAGACATCTGAAGAATTACCTGGCAACCAGAGGTTTGACATGGAAA
AACATGTTGACCGAGAGCCTCGTGGCTCTCCAGCGGGGAGTGTCTGCTGTCTGATTAC
AGAGTCACGGGAGACACCGTTCTGTGTTACTGCTGTGGCCTGCGCAGCTTCCGTGAGCTG
ACCTATCAGTATCGGCAGAACATTCTGCTTCCGAGTTGCCAGTGGCCGTAACATCCCGT
CCTGACTGCTACTGGGGCCGTAACCTGCCGCACTCAGGTGAAAGCTCACCACGCCATGAAA
TTCAATCATATCTGTGAACAGACAAGGTTCAAAAAC

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Restriction Sites: Please inquire

ACCN: NM_001161346

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.

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:	<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:	<u>NM_001161346.1, NP_001154818.1</u>
RefSeq Size:	3255 bp
RefSeq ORF:	1959 bp
Locus ID:	55743
UniProt ID:	<u>Q96EP1</u>
Cytogenetics:	12q24.33
Protein Families:	Druggable Genome
Gene Summary:	<p>This gene encodes an E3 ubiquitin-protein ligase required for the maintenance of the antephasis checkpoint that regulates cell cycle entry into mitosis and, therefore, may play a key role in cell cycle progression and tumorigenesis. The encoded protein has an N-terminal forkhead-associated domain, a central RING-finger domain, and a cysteine-rich C-terminal region. Alternatively spliced transcript variants that encode different protein isoforms have been described. [provided by RefSeq, Mar 2014]</p> <p>Transcript Variant: This variant (3) uses an alternate in-frame splice site in the 5' coding region compared to variant 1. This results in a shorter protein (isoform 3) compared to isoform 1.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>