

Product datasheet for **SC100877**

C10orf46 (CACUL1) (NM_153810) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C10orf46 (CACUL1) (NM_153810) Human Untagged Clone
Tag:	Tag Free
Symbol:	C10orf46
Synonyms:	C10orf46; CAC1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_153810, the custom clone sequence may differ by one or more nucleotides

ATGGAGGAAAGCATGGAAGAGGAGGAGGGGGCAGCTACGAGGCGATGATGGACGACCAGAACCACAACA
ACTGGGAGGCTGCGGTGGACGGCTTCCGGCAGCCCTGCCACCTCCGCCGCCCCCTCGTCGATCCCGGC
CCCTGCCCAGAGCCTCCGGGGGGCAGCTGCTGGCGGTGCCCGCGGTCTCCGTGGACAGGAAAGGCCCC
AAGGAGGGGCTCCCGATGGGGCCGACGCCACCGCCGAGGCTAATGGGTGATCATGATGTTGAAGAGCT
GCG



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_153810 unedited
 TTAGATTTTGTAAATACGACTTACTATAGGGCGGCCGNAATTCGCACGAGGTTGAGACA
 GGCGGCAGGTGCTGTGAGGCGGGCGGGTGCCGGGGGCCAGCAGGATGGAGGAAAGCATG
 GAAGAGGAGGAGGGGGCAGCTACGAGGCGATGATGGACGACCAGAACCACAACAACTGG
 GAGGCTGCGGTGGACGGCTTCCGGCAGCCCTGCCACCTCCGCCGCCCCCTCGTCGATC
 CCGGCCCTGCCGAGAGCCTCCGGGGGGCAGCTGCTGGCGGTGCCCGGGTCTCCGTG
 GACAGGAAAGCCCCAAGGAGGGGCTCCCGATGGGGCCGAGCCACCGCCGAGGCTAAT
 GGGGTGATCATGATGTTGAAGAGCTGCGACGCGGCCGCCCGTGGCCAAGGCGGCCCCC
 GCCCCACCGCCAGCTCCACCATCAACATCAACACCTCCACCTCCAAGTTCTTAATGAAT
 GTTATAACTATTGAAGATTATAAGAGCACATACTGGCCAAAATTGGATGGTGCCATAGAT
 CAACTTTTAACTCAGAGTCCTGGTACTATATCCCATATCCTATGAACAGATATACAGT
 TGTGTGTATAAATGTGTATGCCAGCAGCACTCGGAACAGATGTATAGTGATCTGATTAA
 AAGATACTAATCACTTAGAGAGAGTCTCAAAGGAGCTGCAGGCCAGCCCTCCAGATCTC
 TATATTGAAAGATTTATATAGCTCTTGGACATATATGGGAGCATTGCAGAGCATTGTGCC
 TCTTTTCATTATATGAATAAAGTTTACATCGAAACCAAGCTTACAGAGACTTANNAGAGA
 CCTNTNAAGCTGNTNCGGNACATGTTGCAGAAAAGCACATTACAGCCTATGCCTTACTT
 NTAGAAGCCAGTCACACCATTTAGTCACACCTTCACTATGCAAAATTGTGAAAGGCTGT
 NTACCTCAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_153810 unedited
 ATGGATCGCTGACCCATTTTANATCGAGTTTTTATTTCTTTTTTTTCATCTTGAATA
 GTTTTATTGTTGTAAACAAATTACTCACAAAATTTAGTGGCTTAAACCAGCACACGGTT
 ATTCCAGAGTTTCCCTGGGTGAGGAGTCTGGGCACAGCTTAGCTGAATTCTGTCTCAG
 GCTTTGCCGCTAGGCTGTGATCAAGGTGTGAGCCAGGGCCACAGTCATCTCAAGATTCAA
 CTGGACCAACATCCATTCCAAGTTCACTCGGACCGTCAGCAGGATTTACAGCCCCCTCGGG
 CTATTAGATTGAAGGCCTCAGTTCCTTGGTAGCTGTTGGCTGGATGCCACCCTCAGTTCC
 TTGCCAGTGGCCCTGTCAAGTGAAAGCTTGTAACCACTTCTGTATAAGTTCTCTTTGA
 AATTTCTGATCTTGAGCAGCATATTAGAAAGTTGAGATTCACCCGCGGAGGGAGAATG
 TTTGGAATAAATTTAGAAAATAGAGTTGGAGCCATCTGAACCACTCTGGTCTGAGGGTA
 TACAGGCCCTTTACAATATTTGCCATAGTTGAAGGTGTGACCTGAAATGGTGTGACTGG
 GCTTCTAAAAGTAAAGGCATTAGGCTGTAATGTGCTTTTGCACATGTTCCGTAACAG
 CTTTATAGGTCATCTTTAAGTCTCTGTTAAGCTTGGTTTCGATGTAAACTTATTCATA
 TATATGAAAAGAGGCACAAATGCTCTGNCATGCTCCCATATATTGTCCAAGAGCTATATTA
 AATCTTTTCATATAGAGATCTGGAGGGCTGGCCTGCAGCTCCTTTGAGACTCTCTCAAGT
 GATTAGTTATCTTTTAATCAGATCACATACATCTGTTCCGAGTGCTGCTGGCATAACACA
 TTNTACACACAACTGTATATCTGGTCATAGGATATGGGGTATAGTCACCAGACTCTGAGT
 TAAAAGTT

Restriction Sites:

NotI-NotI

ACCN:

NM_153810

Insert Size:

1550 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:	<u>NM_153810.3, NP_722517.2</u>
RefSeq Size:	6758 bp
RefSeq ORF:	921 bp
Locus ID:	143384
UniProt ID:	<u>Q86Y37</u>
Cytogenetics:	10q26.11
Gene Summary:	Cell cycle associated protein capable of promoting cell proliferation through the activation of CDK2 at the G1/S phase transition.[UniProtKB/Swiss-Prot Function]