

Product datasheet for **SC118657**

MCC (NM_002387) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MCC (NM_002387) Human Untagged Clone
Tag:	Tag Free
Symbol:	MCC
Synonyms:	MCC1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_002387, the custom clone sequence may differ by one or more nucleotides

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ATGAATCCGGAGTTGCCATGAAATATGGAAACGACTCCTCGGCCGAGCTGAGTGAGCTCCATTCAGCAG
CCCTGGCATACTAAAGGGAGATATAGTGGAACTTAATAAACGTCTCCAGCAAACAGAGAGGGAACGGGA
CCTTCTGGAAAAGAAATTGGCCAAGGCACAGTGGCAGCAGTCCCACCTCATGAGAGAGCATGAGGATGTC
CAGGAGCGAACGACACTTCGCTATGAGGAACGCATCACAGAGCTCCACAGCGTCATTGCGGAGCTCAACA
AGAAGATAGACCGTCTGCAAGGCCACCACCATCAGGGAGGAAGATGAGTACTCAGAAGTCCGATCAGAAGT
CAGCCAGAGCCAAACAGAGGTCAACGAGGACTCTCGAAGCATGGACCAAGACCAGACCTCTGTCTATC
CCCGAAAACAGTCTACCATGGTTACTGCTGACATGGACAAGTGCAGTGACCTGAACTCAGAAGTGCAGA
GGGTGCTGACAGGGCTGGAGAATGTTGTCTGCGGCAGGAAGAAGAGCAGCTGCAGCCTCTCCGTGGCCGA
GGTGGACAGGCACATTGAGCAGCTCACCACAGCCAGCAGCAGTGTGACCTGGCTATTAAGACAGTCGAG
GAGATTGAGGGGGTCTGGCCGGGACCTGTATCCCAACCTGGCTGAAGAGAGGTCTCGGTGGGAGAAGG
AGCTGGCTGGGCTGAGGGAAGAGAATGAGAGCCTGACTGCCATGCTGTGCAGCAAAGAGGGAAGAAGTGA
CCGGACTAAGGCCACCATGAATGCCATCCGGGAAGAGCGGGACCGCTCCGGAGGAGGGTCCAGAGAGCTT
CAAACCTGACTACAGAGCGTGCAGGCCACAGGTCCCTCCAGCCCTGGCCGCCCTCACTTCCACCAACCGCC
CGATTAACCCAGCACTGGGGAGCTGAGCACAAGCAGCAGCAATGACATTCCCATCGCCAAGATTGC
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TCCAAGAGATTTTCAAACACTCTACTCACACGGATCTGCCATCTCAGAAAGCAAGATTAGAGAGTTTGA
GGTGGAAAACAGAACCGCTGAATAGCCGGATTGAGCACCTCAAATCCAAAATGACCTCCTGACCAATAAC
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GAGTGAGCAGAGCCTCATCTGGGGCAGTTCAGAGCGGGGGCGTGGGGTCTCCCTGGAGACCAAGTGC
GGGGATGAAAACATCACTCAGATGCTCAAGCGAGCTCATGACTGCCGGAAGACAGCTGAGAACGCTGCCA
AGGCCCTGCTCATGAAGCTGGACGGCAGCTGTGGGGGAGCCTTTGCCGTGGCCGGCTGCAGCGTGCAGCC
CTGGGAGAGCCTTCTCCAACAGCCACACCAGCACAACCAGCTCCACAGCCAGTAGTTGCGACACCCGAG
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AGCTGACCATGCTGGAGCTGGAAAACGCAGTGTATGCAGGAGCTCATGGCCATGAAGGAGGAGATGGCC
CAGCCAGAGGCTGGATCTGGAAAACGCAGTGTATGCAGGAGCTCATGGCCATGAAGGAGGAGATGGCC
GAGTTGAAGGCCAGCTACTCTACTGGAGAAAAGAGAAGAAGGCCCTGGAGCTGAAGCTGAGCACCGGG
AGGCCCAGGAGCAGGCCTACCTGGTGCACATTGAGCACCTGAAGTCCGAGGTGGAGGAGCAGAAGGAGCA
GCGGATGCGATCCCTCAGCTCCACCAGCAGCGGCAAGACAAACCTGGCAAGGAGTGTGCTGATGCT
GCCTCCCAGCTCTGTCCCTAGCCGAACCTCAGGACAACGTGCAGCGAGAAATGAGCTGGCTGCGGAGTTCA
CCAACGCCATTTCGCGAGAAAAGAAGTTGAAGGCCAGAGTTCAAGAGCTGGTGAATGATCTAAGCGGGCCAACAGC
AACCTGGTGGCTGCCTATGAGAAAAGCAAAGAAAAAGCATCAAAACAACTGAAGAAGTTAGAGTCGCAGA
TGATGGCCATGGTGGAGAGACATGAGACCCAAGTGAGGATGCTCAAGCAAAGAATAGCTCTGCTAGAGGA
GGAGAACTCCAGGCCACACCAATGAACTTCGCTTTAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_002387 unedited TTCGGCACGAGGCAGCACCCTCAGATCTGCCTAACTGCGTTGAACAGAGACGAGAGAACA GAGACTTGATGAAATGAGCATCAGCTCCATTTCAGCAGCCCTGGCATCACTAAAGGGAGAT ATAGTGGAACTTAATAAACGTCTCCAGCAAACAGAGAGGGAAACGGGACCTTCTGGAAAAG AAATTGGCCAAGGCACAGTGCAGCAGTCCCACCTCATGAGAGAGCATGAGGATGTCCAG GAGCGAACGACGCTTCGCTATGAGGAACGCATCACAGAGCTCCACAGCGTCATTGCGGAG CTCAACAAGAAGATAGACCGTCTGCAAGGCACCACCATCAGGGAGGAAGATGAGTACTCA GAACTGCCATCAGAACTCAGCCAGAGCCAACACGAGGTCAACGAGGACTCTCGAAGCATG GACCAAGACCAGACCTCTGTCTCTATCCCCGAAAACCAGTCTACCATGGTTACTGCTGAC ATGGACAACCTGCAGTGACCTGAACTCANAACCTGCANAGGGTGCTGACAGGGCTGGAGAAT GTTGTCTGCGGCAGGAAGAAGAGCAGCTGCAGCCTCTCCGTGGCCNGGTGGACAGGCAC ATTGAGCAGCTCACACAGCCAGCGAGCACTGTGACCTGGCTATTAANACAGTCNANGAG ATTGAGGGGGTGTGGNCGNACCTGTATTCCCACCTGGCTGANNANAGGTNNTCGTGG GNAAAAAGAGCTGCTGGNCTGAGGGAANAANTGAGAGNCTGACTGCCATGCTGTGCAG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_002387 unedited CAATCCTGCCCCGCGCCGAATTTAGATNCGTTTTTTTTTTTTTTTTTTGGGGCATATG CTTAAATAGTCCAACATTTTCTCATGATAAACATGCAACTTTATGAAAAGTGAAAA ATTCTAAAAAATCACAGGAATGGCCAGGCACATTGGCTCATGCCTGTAATCCCAGCACTT TGGGAGGCCGAGGTGGGTGGATCAGTGGTCAGGAGTTCTATATTTTCTGGCCAACATGGT GAAACCCTGTCTTACTAAAAATACAAAAAACTAGCTGGGTATGGTGGCGGGCACCTGT AATTCCAGCTACTCAGGAGGCAGAGTTGCAGTGAGCCAAGATCACGCCACTGCCTTCA GCCTGGTGACAAGAGCAAACCTTCAATTTAAAAAATAAAAAAAAAAAAAAAAAATCACAGAACT AACTTTGACCAAGTGATTGACAGAAACCAGTGAACATTTTATAGTGATCAAAGCACCCC AAAGCTGGTCTTCTAGACTGATACCAGCTGATCTGTTGTTTCGTTTTGGAGATGGGCAG CCTCACTGCTGGCCTCTCAGCGTTGCTTTTAGGATACAGCTGTCTGCCCTCCGAACCTGG TGGCTGGAGTATCCTTCAATGAACAAAAGGCTGTGAAATTGTATCATGCTTTGAAAAAG ACCTACCCGTAGCTTATGGACATAAAGACTTTATGTCGAAACCTTCTCCACCTTTTAATT TGTTAGTCAGATATGGCAATGGAACACATTTTTCATAGGGAACCTTGCATGGAATTTCTTG GTGTTACACACAAAAACAGTAAAGGGGCCCTTTAAGTGTATCCACTGTACACCTGAAAGA GAAAAGGTAAAACTTACAAACAATATGAACTTTGTTATAGAATGAAAACCTCTCTGGACA CACCAATTCCCCTGGGACTGCCAACCTGTAACCATTTCCCCTT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_002387
Insert Size:	4700 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:	<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:	NM_002387.1 , NP_002378.1
RefSeq Size:	4181 bp
RefSeq ORF:	2490 bp
Locus ID:	4163
UniProt ID:	P23508
Cytogenetics:	5q22.2
Protein Families:	Druggable Genome
Gene Summary:	<p>This gene is a candidate colorectal tumor suppressor gene that is thought to negatively regulate cell cycle progression. The orthologous gene in the mouse expresses a phosphoprotein associated with the plasma membrane and membrane organelles, and overexpression of the mouse protein inhibits entry into S phase. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) has a distinct 5' UTR and 5' coding region, compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>