

Product datasheet for **SC307508**

MACC1 (NM_182762) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MACC1 (NM_182762) Human Untagged Clone
Tag:	Tag Free
Symbol:	MACC1
Synonyms:	7A5; SH3BP4L
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_182762 edited
 GCTTGGGCTCACTTCCACAAATGTGAAAAATGCCTAATCACTGAAAAGAAAACATTTTCGG
 TCAGGAAGAATTGCACAAAGTATGTCTGAAGCAAAATTTGATTGACATGGAAGCTGGAAAA
 CTCTCAAAAAGTTGCAATATTACAGAATGCCAGGACCCAGACTTGCTTACAATTTGGCCG
 GATGCTTTCACCCCTTCGTGGTAATAATGCTTCCAAAGTTGCAATCCATTCTGGAATCAA
 CTGTCTGCTTCAACCCATTTTGGATGACATAACTCACTAAGAATAACAGGAAGAGA
 AATAATATTTCCATCTTAAAGGAAGATCCTTTTCTTTTCTGTAGAGAAAATAGAAAAATGGA
 AATTTCTTTGATTCTCCGGTGATGAACCTGATGTGCATCAGTTACTTAGGCAGACTTCC
 TCAAGAAATTCTGGAAGATCTAAAAGTGTTCAGAACTTCTGGACATTTTAGACGACACA
 GCACATGCCCATCAGAGTATACATAACTCTGACCAGATCCTACTACACGACTTAGAGTGG
 CTTAAAAATGATCGGGAGGCTTATAAAATGGCTTGGTTAAGTCAACGCCAGCTGGCCCGC
 TCCTGCCTTGATTTGAATACAATTAGTCAGAGCCCTGGATGGGCCAGACACAATTGCG
 GAGGTCACCATAGCTTGCAAAGTAAACCATCAAGGAGGGTCAGTACAATTACCTGAATCA
 GACATCACTGTTTATGTGCCCAAGTCATGTGGCTGTGGGAGAATTCCAAGAGGTGTCT
 CTAAGGGCTTTCTTGTATCCGCCACACATGCTTAAACCATGATCTTTCGTGCACTGTGAGC
 CCGTTGTTGAAAATCATGTTAGGCAACCTCAATACAATGGAAGCCCTTTTCTGGAGATG
 AAAATTGGGGCTGAAGTAAAGAAAGGATCCTTTCAGCCAAGTCATGACAGAAATGGTGTGT
 TTACACAGCTTGGGTAAGAAAGGCCCTTTTAAAGTTTTAAGCAACTGCTACATTTATAAA
 GACACCATCCAAGTCAAGCTAATCGACTTGAGTCAGGTAATGTATCTAGTGGTTGCTGCA
 CAAGCTAAAGCTTCCGTCACCAAGCTGCCACCATTTGGGATTATATCCACAAAACCACC
 TCAATTTGGAATTTATGGACCCAAATATATCCATCCCAGTTTTACTGTTGTTTTAACAGTT
 TGTGGACACAATTATATGCCAGGACAGCTTACAATTTCTGATATTAAGAAGGGTGGAAAA
 AACATATCTCCAGTTGTGTTTCAGCTCTGGGGGAAGCAGTCATTTTTACTTGACAAGCCA
 CAAGATTTAAGTATTTCTATTTTTCTCTGATCCTGATTTTGAAGTAAAGACAGAAGGA
 GAAAGGAAAGAAATTAACAAAAGCAGTTGGAAGCAGGTGAAGTAGTTCATCAACAATTT
 TTATTTCTTTAGTTGAGCACAGAGAGATGCACTTGTTTGATTTTTGTGTTCAAGTGGAG
 CCTCCCAATGGTGAACCAGTTGCACAGTTCTCTATCACTACTCCTGATCCAACCCCAAAC
 CTAAAAAGACTCTCGAATCTGCCAGGCTATTTGCAGAAGAAGGAGGAAATCAAGTCTGCT
 CCTTTATACCAAAAAATCTTGTTAAATATCCTACATTTCAAGATAAAACATTGAACTTT
 AGCAACTATGGGTAACCTGAAGGCAGTGCTAAGACAAAGCAAGATTGATTACTTCCTT
 GAATATTTCAAAGGGACACAATAGCTCTCCTCGGGGAAGGTAAGGTAAGGCTATTGGT
 CAGTCCAAAGTAAAGAAATGGTATGTAGGAGTCCCTCAGAGGTAAGATTGGACTGTACAC
 TGCAAAAATGTCAAGGTGATTTCAAAGGAGCAAGTAATGTTTATGTGAGATAGTGTCTTT
 ACAACCAGAAATCTTCTTGAACAGATTGCTCCTGCCTTTAAAAAATGACTTATATCTAC
 TCAGTTGTATTAACCTTGGTGTGAGAAAAAGTTTATGATTGGAAGTTTTAGCTGATGTC
 CTGGGTTACTCACATCTGTCCCTGGAAGATTTTGTGATCAATTTCAAGCAGACAAAGAATCA
 AGGAAGTTTCTGTATGAACCTTATTGGCTCTTCTGAAAATGGATTGCCAAGAGTTAGTC
 GCACGCTCATCCAAGAAGCTGCTGTTCTGACTTCAGCTGTCAAGCTTGGAAAAGGCTGG
 AGGGAAGTCTGAAAAGTTAGTACGACTCACAAGCAACAATGGAGGCATATGAAATT
 CCTCATCGAGAAACACTGGAGATGTTGCTGTTGAGATGATGTGGAACCTGCCTATGAT
 TTTCTGTATACCTGGAGTGTCACTATGGAAATACTACAGAGATGTGTTACAAGACCTT
 CAGTCAGCTTTGGACAGAATGAAAAACCCTGTGACTAAACACTGGAGAGAATTAAGTGA
 GTTTTAATACTAGTAAATCTTTGGAGTTTTGAGAGTAACTGCATTCTCCACTTCTGAG
 GAAGTATAGAAACAAAGCGTGTGTTTTTGTGAGGGGG

Restriction Sites: Please inquire
ACCN: NM_182762
Insert Size: 2600 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	<p>The ORF of this clone has been fully sequenced and found to contain 6 SNPs compared with NM_182762.2.</p>
Components:	<p>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).</p>
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:	<p>NM_182762.2, NP_877439.2</p>
RefSeq Size:	<p>3188 bp</p>
RefSeq ORF:	<p>2559 bp</p>
Locus ID:	<p>346389</p>
UniProt ID:	<p>Q6ZN28</p>
Cytogenetics:	<p>7p21.1</p>
Gene Summary:	<p>MACC1 is a key regulator of the hepatocyte growth factor (HGF; MIM 142409)-HGF receptor (HGFR, or MET; MIM 164860) pathway, which is involved in cellular growth, epithelial-mesenchymal transition, angiogenesis, cell motility, invasiveness, and metastasis. Expression of MACC1 in colon cancer (MIM 114500) specimens is an independent prognostic indicator for metastasis formation and metastasis-free survival (Stein et al., 2009 [PubMed 19098908]). [supplied by OMIM, Mar 2009]</p>