

## Product datasheet for **SC120189**

### HCCA2 (MOB2) (NM\_053005) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HCCA2 (MOB2) (NM_053005) Human Untagged Clone
Tag:	Tag Free
Symbol:	HCCA2
Synonyms:	HCCA2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_053005, the custom clone sequence may differ by one or more nucleotides

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ATGGACTGGCTCATGGGGAAGTCCAAGCCAAGCCTAATGGCAAGAAGCCCGCTGCGGAGGAGAGGAAGG
CCTACCTGGAGCCTGAGCACACCAAGGCCAGGATCACCGACTTCCAGTTCAAGGAGCTGGTGGTGTGCC
CCGCGAGATTGACCTTAACGAGTGGCTGGCCAGCAACACCACGACGTTTTTCCACCACATCAACCTGCAG
TATAGCACCATCTCCGAGTTCTGCACAGGAGAGACGTGTCAGACGATGGCCGTGTGCAACACACAGTACT
ACTGGTATGACGAGCGGGGAAGAAGGTCAAGTGCACGGCCCCACGTACGTTGACTTCGTCATGAGCTC
CGTGCAGAAGCTGGTGACGGATGAGGACGTGTTCCCCACAAAATACGGCAGAGAATTCCCCAGCTCCTTT
GAGTCCCTGGTGAGGAAGATCTGCAGACACCTGTCCACGTGCTGGCACACATCTACTGGGCCCACTTCA
AGGAGACGCTGGCCCTGGAGCTGCACGGACACTTGAACACGCTCTACGTCCAATTCATCCTTTGTCTCG
GGAGTTCAACCTGCTGGACCCCAAGAGACCGCCATCATGGACGACCTCACCGAGGTGCTATGCAGCGGG
GCCGCGGGGTCCACAGTGGGGCAGTGGGGATGGGGCCGGCAGCGGGGGCCCGGGAGCACAGAACCACG
TGAAGGAGAGATGA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_053005 unedited</p> <pre>GCACATTTGTATACGACTCCTATAGGCGGCCGCGNAATTCGCACGAGGCGGGGCTGAGGC CGATCGCGTCGGGCAGCGGGCGCGGCCCGCCGCGCAGCCATGGACTGGCTCATGGGGAA GTCAAAGCCAAGCCCAATGGCAAGAAGCCCGCTGCGGAGGAGAGGAAGGCCTACCTGGA GCCTGAGCACACCAAGGCCAGGATCACCAGCTTCCAGTTCAAGGAGCTGGTGCCACGACG TTTTTCCACCACATCAACTGCAGTATAGCACCATCTCGGAGTTCTGCACAGGAGAGACG TGTGACAGCATGGCCGTGTGCAACACACAGTACTACTGGTATGACGAGCGGGGAAGAAG GTCAAGTGCACGCCCCACAGTACGTTGACTTCGTGATGAGCTCCGTGCAGAAGCTGGTG ACGGATGAGGACGTGTTCCCCACAAAATACGAGAATTCCCCAGCTCCTTTGAGTCCCTGG TGAGGAAGATCTGCAGACACCTGTTCCACGTGCTGGCACACATCTACTGGGCCCACTTCA AGGAGACGCTGGCCCTGGAGCTGCACGGACACTTGAACACGCTCTACGTCCACTTCATCC TCTTTGCTCGGGAGTTCAACCTGCTGGACCCAAAGAGACCGCCATCATGGACGACCTCA CCGAGGTGCTATGCAGCGGNGCCGGCGGNGTCCACAGTGGGGCAGTGGGGATGGGGCCG GCNAGCGGGGCCGGGAGCCAGAACCCGTGAAGGAGAGATGGCCCCCGGGCCGGACAGG GCACACGTGTGCAAAGAGACGGTGGTGTGTGTTCTCTCCTGCATCTGCGTGTGCACACAT GTGCTGGGCACGCGTGTGGTGTGAGTCTGAGAGGGCCCCCGGCTGCACTGGTGTGGCTGC ACAGCACAGACGACGACGGCCCGNNGTGTNCTGTGGCCCC</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_053005 unedited</p> <pre>AAACCTTTAGCTNTGNACCGCGCCGCATNCTAGGATCGAGTTTTTTTTTTTTTTTTTTTT GAGAGAATCTTTTTATTACGAGTGAACAGATGAACTAAGGTAAGCGGGTCTCAGCCTTCC GCTGGTGCAGCATCTCCACGCAGGGCCTCAGCCCCGCTCCTGGCCTTGCTGAGGACTGCA CCATGGGTGTTCTTGGCATGGAGGAGCAGCAGGAAGGGGTGACAGGAGCAGGAGCAG GTGCAGGGCACCCTCACACCACAGGCCTCCCCACCTCTGAGCTGCCAACAGCCAAGACTC CTGGCGAGGCCGGGAGAGAGGGGTGAGAGGGAAGGAGGGTCTCTGTGAAAGCAAGCCCC ACCCCCAGAGCAGAGCAGAGACCCAGGTCTGCAAATCACACCCTCCCCACGAGTTCCT CCTTTGAGGCCAGCAGACCCGAGGGAGGGCAGGGGCTGCACGGAGACCAGAGAAAGGAA AACCCACAGAAGAAAATCAAAGCATCAGTCCCATGCGTGTCTGCTGAACGAGTGAATG GGCCCAAAGGCTCTTCTCTACAAACGGCACGCATCCATCCGACAGGGGGCCACAGGACAC GGCCGGGGCCGTCTGCGTCTGTGCTGTGCAGCCACACCAGTGCAGCCCCGGGGCCCTCT CAGACCTCACACACGCGTGCCACGCACATGTGTGCACACGACAGATGCAGGAGAGACACA CACCCCGTCTCTTTGCACACGTGTGCCCTGTCCCGCCGGNGGGCTCATCTCTCTTCTC ACGTGNGTCTGTGCTCCCCGGCCCCGCTGNCGGCCCCATCCNCACTGCCCCACTGTGGA CCCCGCCGGCCGCTGCATACACCTCGGTGAGGCCGTTTCATGATGGCGTTCTCTTTGG</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_053005
<b>Insert Size:</b>	1380 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_053005.2](#), [NP\\_443731.2](#)

**RefSeq Size:** 1509 bp

**RefSeq ORF:** 714 bp

**Locus ID:** 81532

**UniProt ID:** [Q70IA6](#)

**Cytogenetics:** 11p15.5

**Gene Summary:** Stimulates the autophosphorylation and kinase activity of STK38 and STK38L.  
[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) represents use of an alternate promoter and differs in the 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.