

Product datasheet for **SC128199**

KDM4C (NM_015061) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: KDM4C (NM_015061) Human Untagged Clone
Tag: Tag Free
Symbol: KDM4C
Synonyms: GASC1; JHDM3C; JMJD2C; TDRD14C
Mammalian Cell Selection: None
Vector: pCMV6-XL6
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_015061 edited
 CCTCGACGGGAGGGTGAGGCGCGGCAGTGATCGGGCGGGCTCTGTGCGGTGC
 GCAGCGAACAGCTGTACCTAGTGCAGAACAAAGTCTCCCAAATTTCCCAAATCTCCCTGG
 GCCGGAGGCCACTGTCTTCTCTTCTCCTCCACCGAGTCGTGCTCTCGCCCAACCCGCG
 CGCCAGACACTGCCCTAACCATCATGGAGGTGGCCGAGGTGAAAAGTCTCTGAACCCCA
 GCTGTAAGATAATGACCTTCAGACCCTCCATGGAGGAGTTCGGGAGTTCAACAAATACC
 TTGCATACATGGAGTCTAAAGGAGCCCATCGTGCGGGTCTTGCAAAGGTGATTCTCTCTA
 AGGAGTGGAAAGCAAGACAGTGTATGATGACATTGATAATTTGCTCATTCCAGCACCAA
 TTCAGCAGATGGTCACAGGGCAGTCAGGACTGTTCACTCAGTACAACATCCAGAAAAAG
 CGATGACTGTGAAGGAGTTCAGGCAGCTGGCCAACAGTGGCAAAATATTGACTCCAAGAT
 ACTTGGATTACGAAGATTTGGAGCGCAAGTACTGGAAGAACTTAACTTTTGTGGCACCTA
 TCTATGGTGCAGATATTAATGGGAGCATATATGATGAGGGTGTGGATGAATGGAACATAG
 CTCGCCTCAATACAGTCTTGATGTGGTTGAAGAAGAGTGTGGCATTCTATTGAGGGTG
 TAAATACCCCATATCTCTATTTTGGCATGTGGAAGACCACGTTTGCATGGCACACCGAAG
 ACATGGACCTCTATAGCATTAATTATCTCCACTTTGGAGAGCCCAAGTCTTGGTATGCTA
 TACCTCCGGAGCATGGAACGACTTGAAGACTAGCTCAAGGTTTTTCCCAAGCAGCT
 CCCAAGGGTGTGATGCATTTCTCGCCACAAGATGACATTGATTTCTCCATCAGTATTGA
 AGAAATATGGTATTCCCTTTGACAAGATAACCCAGGAGGCTGGAGAATTCATGATCACTT
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 TTTGAAAACAAGGAAAGGATATATACACCATTTGATCACACGAAGCCTACTCCAGCATCCA
 CCCCTGAAGTAAAAGCATGGCTGCAGAGGAGGAGGAAAGTAAAGAAAAGCATCCCGAAGCT
 TCCAGTGTGCTAGGTCTACCTCTAAAAGGCCTAAGGCTGATGAGGAAGAGGAAAGTGCAG
 ATGAAGTCGATGGGCAGAGGTCCTAACCCTGACTCAGTCACAGATGACCTCAAGGTCA
 GTGAAAAGTCAGAAGCAGCAGTGAAGCTGAGGAACACAGAAGCATCTTCAGAAGAAGAGT
 CATCTGCTAGCAGGATGCAGGTGAGCAGAATTTATCAGATCATATCAAACCTCTCAGGAA



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ACAGCTGCTTAAGTACATCTGTAACAGAAGACATAAAAACTGAGGATGACAAAGCTTATG
CATATAGAAGTGTACCTTCTATATCCAGTGAAGGCTGATGATTCCATTCCATTGTCTAGTG
GCTATGAGAAGCCCGAGAAATCAGACCCATCCGAGCTTTCATGGCCAAAGTCACCTGAGT
CATGCTCATCAGTGGCAGAGAGTAAATGGTGTGTTAACAGAGGGGAGAAGAGAGTGTGTGG
AGAGCCATGGGAATGGCCTTGAACCTGGGAAAATCCCAGCGTCCCAGTGGAGAGAGAA
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ATCCACTTAGCAGGCCTCCAGCAAGATCTCCGATGACTTGTGAGCAGCAGGCGCCAA
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ACMCAATGAATTGGACGCAGCAATCTGAAATCATCTCTAGTCTTGTCTTCACTTGTGAGC
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CACAAGGAAAAGCCACTGCCACAGAGGAGGCGGGTCCCCTTGTGCGGCTTAGGGCCCTGT
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GGTAGGGCGATAATTTATATATTTTCCACAGTCAGGGAAGGACTCTCACTTATTTGTTTC
AAATTGCAGTTTTTATAAAACATTTTTTAAAACACAAATGGCATGTATGCTAATGAGATTT
ACCCGTGTGCTATCTGTATTTCCCTTGTACAGAACTTTTACATTTTTGAATATTCTTATT
ACTTTTTGATTGTCTGTGATGGGAACTGAGTTGTTGGCCTTTGTGAAATGAAATTTTTGGC
TCTTGAGAAAGAATTCTTATGAATTGTTATGCGAATTTTATATTTAAAGAGGGAGATC
TGGGGCTGTTATTTTTAAACACTTTTTTTCATAATACATATTCCGAGTAGATATTTATAA
AATATATGTTTCTTTTATTATGTGTTTGTAAAATTAGAGTTTAAATAAATATGCTTTGAT
GCATAGTTTTGAACTAATGTAACATGATTTTTCTTTTTTAAAACAGCCTGAAAATGTA
AGTGTAAAAAATAAAGATTTCCATTTTCTCAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: NotI-NotI
ACCN: NM_015061
Insert Size: 4300 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).
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:	NM_015061.2 , NP_055876.2
RefSeq Size:	4674 bp
RefSeq ORF:	3171 bp
Locus ID:	23081
UniProt ID:	Q9H3R0
Cytogenetics:	9p24.1
Domains:	PHD, TUDOR, JmjC, JmjN
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>This gene is a member of the Jumonji domain 2 (JMJD2) family. The encoded protein is a trimethylation-specific demethylase, and converts specific trimethylated histone residues to the dimethylated form. This enzymatic action regulates gene expression and chromosome segregation. Chromosomal aberrations and changes in expression of this gene may be found in tumor cells. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>