

Product datasheet for **SC327314**

KDM5C (NM_001146702) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KDM5C (NM_001146702) Human Untagged Clone
Tag:	Tag Free
Symbol:	KDM5C
Synonyms:	DXS1272E; JARID1C; MRX13; MRXJ; MRXSCJ; MRXSJ; SMCX; XE169
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001146702, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCCGGGGTCCGACGATTTCTACCGCCACCGGAGTGCCCGGTGTTTCGAGCCTAGC
TGGGCCGAGTTCCGAGACCCTCTTGGCTACATCGCGAAAATCAGGCCCATCGCAGAGAAA
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GTCACCCTCATGAATCCCAACACCCTCATGTCCCATGGTGTGCCAGTTGTCCGCACAAAC
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 GGCTACAACTTTGCCGAGGCTGTCAACTTTTGCCTGCTGACTGGTTGCCTGCTGGGCGC
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 GTGACCCTGGATGAGAACCACAGCATCCCTGAGTCCCTTGACTTTTGTATTCTGACTCCA
 AGGTATTGTTACAGACTCAGCTCCTGGGGCGGGCCCTGGAGTCTTCCCTCCCTGG

Restriction Sites:

Please inquire

ACCN:

NM_001146702

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:	<u>NM_001146702.1</u> , <u>NP_001140174.1</u>
RefSeq Size:	6097 bp
RefSeq ORF:	4140 bp
Locus ID:	8242
UniProt ID:	<u>P41229</u>
Cytogenetics:	Xp11.22
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>This gene is a member of the SMCY homolog family and encodes a protein with one ARID domain, one JmjC domain, one JmjN domain and two PHD-type zinc fingers. The DNA-binding motifs suggest this protein is involved in the regulation of transcription and chromatin remodeling. Mutations in this gene have been associated with X-linked cognitive disability. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2009]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, 3' UTR, and coding region compared to variant 1, resulting in a protein (isoform 2) that maintains the reading frame but is shorter at both the N- and C-termini, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>