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Product datasheet for SC117254

KDM5D (NM_004653) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KDM5D (NM_004653) Human Untagged Clone
Tag:	Tag Free
Symbol:	KDM5D
Synonyms:	HY; HYA; JARID1D; SMCY
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF sequence for NM_004653 edited
ATGGAACCGGGGTGTGACGAGTTCCTGCCGCCACCGGAGTGCCCGGTTTTTGAGCCTAGC
TGGGCTGAATTCCAAGACCCGCTTGGCTACATTGCGAAAATAAGGCCCATAGCAGAGAAG
TCTGGCATCTGCAAAATCCGCCCACCCGCGGATTGGCAGCCTCCTTTTGCAGTAGAAGTT
GACAATTTCAGATTTACTCCTCGCGTCCAAAGGCTAAATGAACTGGAGGCCCAAACTAGA
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TATCTGCATTGGGGTGAGCCGAAGACCTGGTATGGTGTACCCTCCCTGGCAGCAGAGCAT
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CACCAGCTTGTCACTCTCATGAATCCCAACACTTTGATGTCCCATGGTGTGCCAGTTGTC
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004653 unedited
GGGTCAACATTTGTATACGACTCCTATAGGCGGCNCGCGAATTCGCACGAGGATTTTTAT
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TTACGAACGCTTATTTACCCCTATGAAATGTTTCAGTCTGGAGCCCACCATGTGGTGAGG
CCCCTTAACTGCAATGNTACACACACCCGCTCTGACAATGAGTAAAAGAAAGGAATACCA
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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004653 unedited
CCATTGNGATTCTTGTTTTCTCCCTATCTTTTTGGTAATTACAACGTACATTGTCTTCTT
TTATAATAATGACCCAAGGGGGAGAAAAGAAAAGGATGTACAATGAAGGTACAAGTTTTG
AAGCACCAAAATATTTTATGACAGGGACAAAAAAACAAAAAACAAACAAAAATTGAAGTA
CAGAAAGAGGGTGGTGGGGGCAAAAATAAAGGTACGCACTTGGGCTTCCTCAAGATTTGT
TTGTCCCTATTCAGACTAGAATGAAACTGGTTTAGGAAATCACTCCTGTATGCTAGCAGG
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ACAGTAACTCTAGGAGAGAGGATATCAAAAATTGGCAGTGAAAAATTATAGATAGGCAAA
AAGCTCCTTCTGAGGTCCAGGCCAGGAGATAGTAGGATTTAAGAAACAAACAAACAAAAA
CAACCACAAATGACCTTTGGTGCCACTGTCACAACTGTTGCTCATCAGAGTAGGAGAGTT
GTAGCAAAGGCATTAAAGAAGGACAAGCAGCTGAAGAGCCTGAATCCTTGTGTTGTAAGC
TATTTTGGTTTCCTTTCAAGAAAGGGCTGTGGTCTGTGGAAGGTGTCAGGAACATATTTT
CACGGTCTGCTTTCTCCTGATAATGTTCTTCTTCTCGGCCCACCTGAGACATAATCCCTG
AGCTCCGAGCCCTTTTTGACTGAAGCTCCTGTTGAACAAGATTCTCAACGTTTCTACCCT
GATCCACCTTCTGCCGCCGCCGTCGCCTCTCCAGAGCCCGGCTCCTTGTCCGACTCCCTT
GATGTTCAAATTTTTCCAGCTNCAGAAGTGTGCGAATTCTGTTCCAGTCTGGAGGCTGTC
CAGCCTGCAGCAGCTGCCAGATGCTGTGGTTCTCATCCAGGGTCACCTTAAGCAGA

Restriction Sites: NotI-NotI

ACCN: NM_004653

Insert Size: 5150 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:	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_004653.3, NP_004644.2
RefSeq Size:	5501 bp
RefSeq ORF:	4620 bp
Locus ID:	8284
UniProt ID:	Q9BY66
Cytogenetics:	Yq11.223
Domains:	ARID, PHD, JmjC, JmjN, zf-C5HC2
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	This gene encodes a protein containing zinc finger domains. A short peptide derived from this protein is a minor histocompatibility antigen which can lead to graft rejection of male donor cells in a female recipient. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2009] Transcript Variant: This variant (2) lacks an alternate exon in the coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.