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Product datasheet for SC305484

KDM2B (NM_032590) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KDM2B (NM_032590) Human Untagged Clone
Tag:	Tag Free
Symbol:	KDM2B
Synonyms:	CXXC2; Fbl10; FBXL10; JHDM1B; PCCX2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC305484 sequence for NM_032590 edited (data generated by NextGen Sequencing)

ATGGCGGGTCCGCAAATGGGGGGATCTGCAGAGGATCACCCCCCACGAAAAAGACATGCAGCAGAAAAGC
AAAAAAAGAAAACAGTTATATATACAAAATGCTTTGAATTTGAGTCGGCCACACAGCGCCCGATTGACCG
CCAGCGATACGACGAGAACGAGGACTTGTCGGACGTGGAGGAGATCGTCAGCGTCCGCGGCTTCAGCCTG
GAGGAGAAGCTTCGCAGCCAGCTGTACCAGGGGGACTTCGTGCACGCCATGGAGGGCAAAGATTTCAACT
ATGAGTACGTACAGAGAGAAGCTCTCAGGGTTCCCCTGATATTTCGAGAAAAGGATGGACTGGGAATTAA
GATGCCTGACCCTGATTTCACAGTCCGAGACGTCAAACTCCTAGTGGGGAGCCGGCGGCTTGTGGACGTG
ATGGATGTGAACACCCAGAAGGGCACGGAGATGAGCATGTCCCAGTTTGTGCGTTACTACGAGACGCCCG
AGGCCCAGCGGGACAAGCTGTACAACGTCATCAGCCTAGAGTTCAGCCACACCAAGCTGGAGCACTTGGT
CAAGCGTCCGACTGTGGTAGACCTGGTGGACTGGGTGGACAACATGTGGCCCCAGCATCTGAAGGAGAAG
CAGACAGAAGCCACGAACGCCATTGCAGAGATGAAGTACCCGAAAGTGAAAAAGTACTGTCTGATGAGCG
TGAAAGGTTGTTTCACCGACTTCCACATCGACTTTGGAGGCACTTCCGTTTGGTACCATGTTTTCCGGGG
TGGGAAGATTTTTTGGCTGATTCCTCCAACGCTGCACAATTTGGCGCTGTACGAGGAGTGGGTGCTGTCA
GGCAAACAGAGTGACATCTTTCTGGGAGACCGTGTGGAACGATGCCAAAGAATTGAGCTGAAGCAGGGCT
ACACATTTTTCATCCCTTCCGGTTGGATCCATGCCGTCTACACCCCTGTAGACTCTTTGGTGTTCGGCGG
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CAGCATAGACGGCTTCTCTTCGGATTCCTGGCTGGAGATGGAGGAGGAGGCCTGTGATCAGCAGCCTCAG
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CATCGAGGACCCCCAGGCACTCCTGGAGGGTGTGAAGAACGTCCTGAAGGAGCACGCAGATGATGACCCT
AGTCTGGCCATCACTGGGGTCCCTGTGGTGACTTGGCCAAAGAAGACTCCAAAGAACCGGGCTGTGGGTC
GGCCCAAGGGGAAGCTGGGCCCGGCCTCCGCGGTGAAGTTGGCCGCCAACCGGACAACGGCAGGAGCTCG
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CAGTGCTGCCCCACACCGCCGTGTGCCTTGTGTGTGGCGAGGCGGGGAAGGAAGACACGGTGGAAGAGGA
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AAGATTAAGGAGTCAGAGGGTGTGGTCAACGACGAGCTTCCAAACTGCTGGGAGTGTCCGAAGTGTAACC
ACGCCGGCAAGACCGGGAAACAAAAGCGTGGCCCTGGCTTTAAGTACGCCTCCAACCTGCCCGGCTCCCT
GCTCAAGGAGCAGAAGATGAACCGGGACAACAAGGAAGGGCAGGAACCTGCCAAGCGGAGGAGTGAGTGT
GAGGAGGCGCCCCGGCGCAGGTCGGATGAGCACTCGAAGAAGGTGCCGCCGGACGGCCTTCTGCGCAGAA
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CTCAGCCCCTGGTGGAGATCCAGTCTCACTTACTTCCAGCAGCAGCTCAAACCTGGCAAAGAAGATAAGC
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GCGCTTCAAGCAGGAACCCGAGGACGAACTGCCCGAGGCGCCCCCCAAGACCAGGGAGAGCGATCACTCC
CGCTCCAGCTCCCCCACCGCGGGACCCAGCACCGAAGGGGCCGAGGGCCCGGAGGAGAAGAAGAAGGTGA
AGATGCGCCGGAAGCGGCGGCTTCCCAACAAGGAGCTGAGCAGGGAGCTGAGCAAGGAGCTCAACCACGA
GATCCAGAGGACGGAGAACAGCCTGGCCAACGAGAACCAGCAGCCCATCAAGTCGGAGCCTGAGAGCGAG
GGCGAGGAGCCCAAGCGGCCCCCGGGCATCTGCGAGCGTCCCCACCGCTTCAGCAAGGGGCTCAACGGCA
CCCCCCGGGAGCTGCGGCACCAGCTGGGGCCCAGCCTGCGCAGCCCGCCCCGTGTCATCTCCCGGCCCCC
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CCGCCTGACTCGCTACCCCTGGACGATGGGGCAGCCCACGTCATGCACAGGGAGGTGTGGATGGCCGTCT
TCAGCTACCTCAGCCACCAAGACCTGTGTGTGTGCATGCGGGTCTGCAGGACCTGGAACCGCTGGTGCTG
CGATAAGCGGTTGTGGACCCGCATTGACCTGAACCACTGCAAGTCTATCACACCCCTGATGCTGAGTGGC
ATCATCCGGCGACAGCCCGTCTCCCTCGACCTCAGCTGGACCAATATCTCCAAGAAGCAGCTGAGCTGGC
TCATCAACCGGCTGCCTGGGCTCCGGGACTTGGTGCTGTCAGGCTGCTCATGGATCGCGGTCTCGGCCCT
TTGCAGCTCCAGTTGTCCGCTGCTCCGGACCCTGGATGTCCAGTGGGTGGAGGGACTAAAGGATGCCCAA
ATGCGGGATCTCCTGTCCCCGCCCACAGACAACAGGCCAGGTCAGATGGACAATCGGAGCAAGCTCCGGA
ACATCGTGGAGCTGCGCCTGGCAGGCCTGGACATCACAGATGCCTCCCTGCGGCTCATCATCCGCCACAT
GCCCCTGCTCTCCAAGCTCCACCTCAGTTACTGTAACCACGTCACCGACCAGTCTATCAACCTGCTCACT
GCTGTTGGCACCACCACCCGAGACTCCTTAACCGAGATCAACCTGTCTGACTGCAATAAGGTCACTGATC
AGTGCCTGTCCTTCTTCAAACGCTGTGGAAACATCTGTCATATTGACCTGAGGTACTGCAAGCAAGTCAC
CAAGGAAGGCTGTGAGCAGTTCATAGCCGAGATGTCTGTGAGTGTCCAGTTTGGGCAAGTAGAAGAAAAA
CTCCTGCAAAAACTGAGTTAG

Clone variation with respect to NM_032590.4
2418:t=>c 2724:t=>c 3570:a=>g

Restriction Sites: Please inquire

ACCN: NM_032590

Insert Size: 4500 bp

OTI Disclaimer:	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. 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
OTI Annotation:	This clone has been fully sequenced and found three SNPs within the protein associated with this reference, NM_032590.3. These three SNPs don't change amino acid.
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_032590.3, NP_115979.3
RefSeq Size:	5318 bp
RefSeq ORF:	4011 bp
Locus ID:	84678
UniProt ID:	Q8NHM5
Cytogenetics:	12q24.31
Protein Families:	Druggable Genome

Gene Summary: This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbls class. Multiple alternatively spliced transcript variants have been found for this gene, but the full-length nature of some variants has not been determined. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).