

Product datasheet for **RG213999**

KDM2B (NM_032590) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: KDM2B (NM_032590) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: KDM2B
Synonyms: CXXC2; Fbl10; FBXL10; JHDM1B; PCCX2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG213999 representing NM_032590
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGGTCCGCAAATGGGGGATCTGCAGAGGATCACCCCCACGAAAAAGACATGCAGCAGAAAAGC
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CCCAAGACCCACCAGGCTCTCCCGCCACGGAGGTCTCTGCCAAATGGACCCATCTCACTGAGTTTGAAC
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 AGTGCCTGTCTTCTTCAAACGCTGTGGAACATCTGTATATTGACCTGAGGACTGCAAGCAAGTCA
 CAAGGAAGGCTGTGAGCAGTTCATAGCCGAGATGTCTGTGAGTGTCCAGTTTGGGCAAGTAGAAGAAAA
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

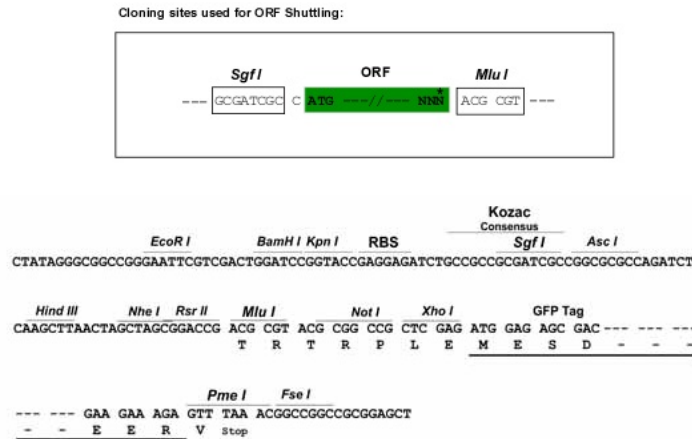
Protein Sequence: >RG213999 representing NM_032590
 Red=Cloning site Green=Tags(s)

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 SLAITGVPVVTWPKKTPKNRAVGRPKGKLGPA SAVKLAANRTTAGARRRRTRCRKCEACLRTCEGCHFC
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 EEAPRRRSDEHSKVPDGLLRKSDVHLRKKRYEKPQELSGRKRASSLQTSFGSSSHLSPRPLGSS
 LSPWWRSSLTYFQQQLKPGKEDKLFRRKRRSWKNAEDRMALANKPLRRFKQEPEDLPEAPPKTRESDHS
 RSSSPTAGPSTEGAEGPEEKKVKMRRRRLPNKEL SREL SKELNHEIQRTENSLANENQQPIKSEPESE
 GEEPKRPPGICERPHRF SKLNGTPRELRHQLGPSLRSPPRVISRPPPSVSPKCIQMERHVIRPPPISP
 PPDSLPLDDGAAHVMHREVWMAVFSYLSHQDL CVMRVCTWNRWCCDKRLWTRIDLNHCKSITPLMLSG
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 MRDLLSPPTDNRPGQMDNRSKLRNIVELRLAGLDITDASLR LII RHMPLL SKLHL SYCNHVTDQSINLLT
 AVGTTTRDSL TEINLSDCNKVTDQCL SFFKRCGNICHIDLRYCKQVTKEGCEQFIAEMSVSVQFGQVEEK
 LLQKLS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

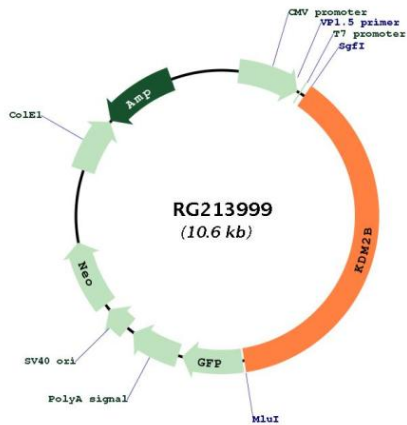


ACCN: NM_032590

ORF Size: 4008 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 was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_032590.5
RefSeq Size:	5287 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]

Product images:



Circular map for RG213999