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Product datasheet for RC239974

KDM6A (NM_001291421) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KDM6A (NM_001291421) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KDM6A
Synonyms:	bA386N14.2; KABUK2; UTX
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC239974 representing NM_001291421 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCATCACACTGTAGATCTCCTGGGAGATAAAGCCACCAAGGAAAGCTATGCTATTCAGTATCTCCAAA AGTCCTTGGAAGCAGATCCTAATTCTGGCCAGTCCTGGTATTTCCTCGGAAGGTGCTATTCAAGTATTGG GAAAGTTCAGGATGCCTTTATATCTTACAGGCAGTCTATTGATAAATCAGAAGCAAGTGCAGATACATGG TGTTCAATAGGTGTGCTATATCAGCAGCAAAATCAGCCCATGGATGCTTTACAGGCCTATATTTGTGCTG TACAATTGGACCATGGCCATGCTGCAGCCTGGATGGACCTAGGCACTCTCTATGAATCCTGCAACCAGCC TCAGGATGCCATTAAATGCTACTTAAATGCAACTAGAAGCAAAAGTTGTAGTAATACCTCTGCACTTGCA GCACGAATTAAGTATTTACAGAATACTTCTGACAATTGGAGTGGTGGACATGCTGTGTCACATCCTCCAG TACAGCAACAAGCTCATTCATGGTGTTTGACACCACAGAAATTACAGCATTTGGAACAGCTCCGCGCAAA TAGAAATAATTTAAATCCAGCACAGAAACTGATGCTGGAACAGCTGGAAAGTCAGTTTGTCTTAATGCAA CAACACCAAATGAGACCAACAGGAGTTGCACAGGTACGATCTACTGGAATTCCTAATGGGCCAACAGCTG ACTCATCACTGCCTACAAACTCAGTCTCTGGCCAGCAGCCACAGCTTGCTCTGACCAGAGTGCCTAGCGT CTCTCAGCCTGGAGTCCGTCCTGCCTGCCCTGGGCAGCCTTTGGCCAATGGACCCTTTTCTGCAGGCCAT GTTCCCTGTAGCACATCAAGAACGCTGGGAAGTACAGACACTATTTTGATAGGCAATAATCATATAACAG GAAGTGGAAGTAATGGAAACGTGCCTTACCTGCAGCGAAACGCACTCACTCTACCTCATAACCGCACAAA CCTGACCAGCAGCGCAGAGGAGCCGTGGAAAAACCAACTATCTAACTCCACTCAGGGGCTTCACAAAGGT CAGAGTTCACATTCGGCAGGTCCTAATGGTGAACGACCTCTCTCTTCCACTGGGCCTTCCCAGCATCTCC AGGCAGCTGGCTCTGGTATTCAGAATCAGAACGGACATCCCACCCTGCCTAGCAATTCAGTAACACAGGG GGCTGCTCTCAATCACCTCTCCTCTCACACTGCTACCTCAGGTGGACAACAAGGCATTACCTTAACCAAA GAGAGCAAGCCTTCAGGAAACATATTGACGGTGCCTGAAACAAGCAGGCACACTGGAGAGACACCTAACA GCACTGCCAGTGTCGAGGGACTTCCTAATCATGTCCATCAGATGACGGCAGATGCTGTTTGCAGTCCTAG CCATGGAGATTCTAAGTCACCAGGTTTACTAAGTTCAGACAATCCTCAGCTCTCTGCCTTGTTGATGGGA AAAGCCAATAACAATGTGGGTACTGGAACCTGTGACAAAGTCAATAACATCCACCCAGCTGTTCATACAA

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Protein Sequence:

>RC239974 representing NM_001291421
Red=Cloning site Green=Tags(s)

MHHTVDLLGDKATKESYAIQYLQKSLEADPNSGQSWYFLGRCYSSIGKVQDAFISYRQSIDKSEASADTW
CSIGVLYQQQNQPMDALQAYICAVQLDHGHAAAWMDLGTLYESCNQPQDAIKCYLNATRSKSCSNTSALA
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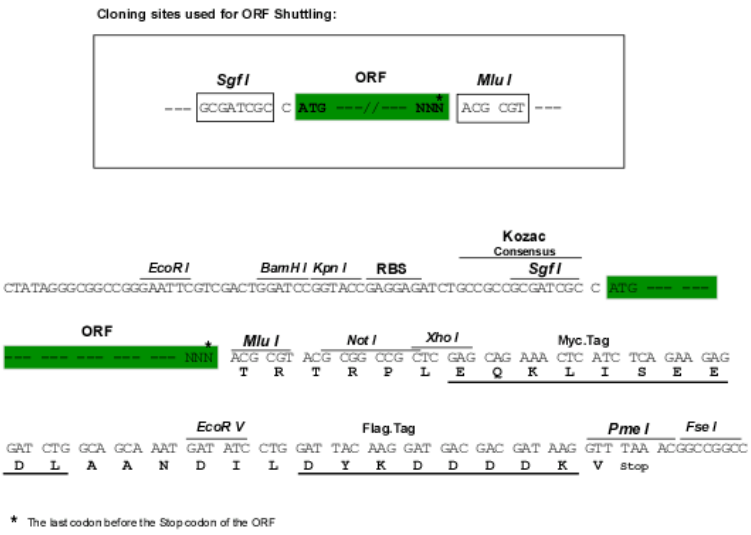
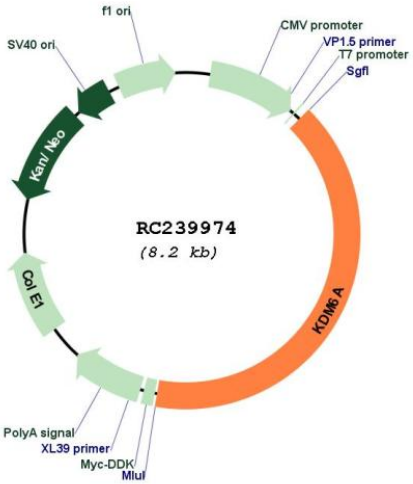
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001291421

ORF Size: 3315 bp

OTI Disclaimer: 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:	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_001291421.1, NP_001278350.1
RefSeq Size:	5529 bp
RefSeq ORF:	3318 bp
Locus ID:	7403
Cytogenetics:	Xp11.3
MW:	121.6 kDa
Gene Summary:	This gene is located on the X chromosome and is the corresponding locus to a Y-linked gene which encodes a tetratricopeptide repeat (TPR) protein. The encoded protein of this gene contains a JmjC-domain and catalyzes the demethylation of tri/dimethylated histone H3. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Apr 2014]