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Product datasheet for RC240122

KDM6A (NM_001291417) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KDM6A (NM_001291417) 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:	>RC240122 representing NM_001291417 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAAATCCTGCGGAGTGTCGCTCGCTACCGCCGCCGCTGCCGCCGCCGCTTTCGGTGATGAGGAAAAGA AAATGGCGGCGGGAAAAGCGAGCGGCGAGAGCGAGGAGGCGTCCCCCAGCCTGACAGCCGAGGAGAGGGA GGCGCTCGGCGGACTGGACAGCCGCCTCTTTGGGTTCGTGAGATTTCATGAAGATGGCGCCAGGACGAAG GCCCTACTGGGCAAGGCTGTTCGCTGCTATGAATCTCTAATCTTAAAAGCTGAAGGAAAAGTGGAGTCTG ATTTCTTTTGTCAATTAGGTCACTTCAACCTCTTATTGGAAGATTATCCAAAAGCATTATCTGCATACCA GAGGTACTACAGTTTACAGTCTGACTACTGGAAGAATGCTGCCTTTTTATATGGTCTTGGTTTGGTCTAC TTCCATTATAATGCATTTCAGTGGGCAATTAAAGCATTTCAGGAGGTGCTTTATGTTGATCCCAGCTTTT GTCGAGCCAAGGAAATTCATTTACGACTTGGGCTTATGTTCAAAGTGAACACAGACTATGAGTCTAGTTT AAAGCATTTTCAGTTAGCTTTGGTTGACTGTAATCCCTGCACTTTGTCCAATGCTGAAATTCAATTTCAC ATTGCCCACTTATATGAAACCCAGAGGAAATATCATTCTGCAAAAGAAGCTTATGAACAACTTTTGCAGA CAGAGAATCTTTCTGCACAAGTAAAAGCAACTGTCTTACAACAGTTAGGTTGGATGCATCACACTGTAGA TCTCCTGGGAGATAAAGCCACCAAGGAAAGCTATGCTATTCAGTATCTCCAAAAGTCCTTGGAAGCAGAT CCTAATTCTGGCCAGTCCTGGTATTTCCTCGGAAGGTGCTATTCAAGTATTGGGAAAGTTCAGGATGCCT TTATATCTTACAGGCAGTCTATTGATAAATCAGAAGCAAGTGCAGATACATGGTGTTCAATAGGTGTGCT ATATCAGCAGCAAAATCAGCCCATGGATGCTTTACAGGCCTATATTTGTGCTGTACAATTGGACCATGGC CATGCTGCAGCCTGGATGGACCTAGGCACTCTCTATGAATCCTGCAACCAGCCTCAGGATGCCATTAAAT GCTACTTAAATGCAACTAGAAGCAAAAGTTGTAGTAATACCTCTGCACTTGCAGCACGAATTAAGTATTT ACAGAATACTTCTGACAATTGGAGTGGTGGACATGCTGTGTCACATCCTCCAGTACAGCAACAAGCTCAT TCATGGTGTTTGACACCACAGAAATTACAGCATTTGGAACAGCTCCGCGCAAATAGAAATAATTTAAATC CAGCACAGAAACTGATGCTGGAACAGCTGGAAAGTCAGTTTGTCTTAATGCAACAACACCAAATGAGACC AACAGGAGTTGCACAGGTACGATCTACTGGAATTCCTAATGGGCCAACAGCTGACTCATCACTGCCTACA AACTCAGTCTCTGGCCAGCAGCCACAGCTTGCTCTGACCAGAGTGCCTAGCGTCTCTCAGCCTGGAGTCC

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Protein Sequence:

>RC240122 representing NM_001291417
Red=Cloning site Green=Tags(s)

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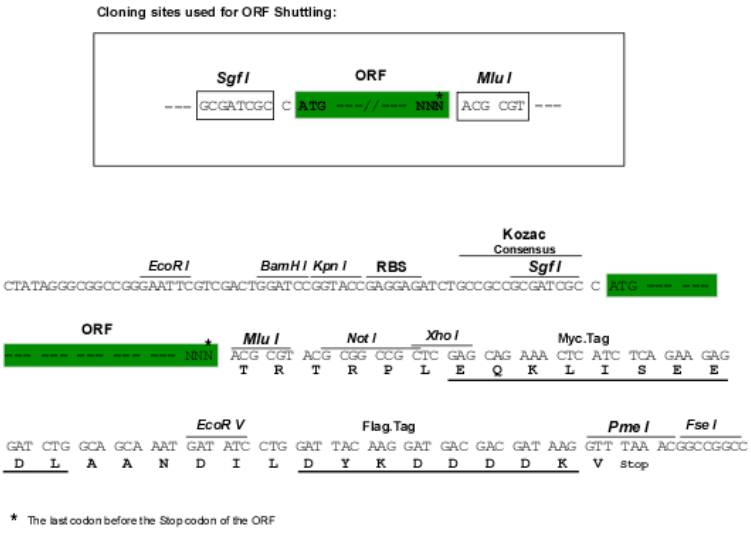
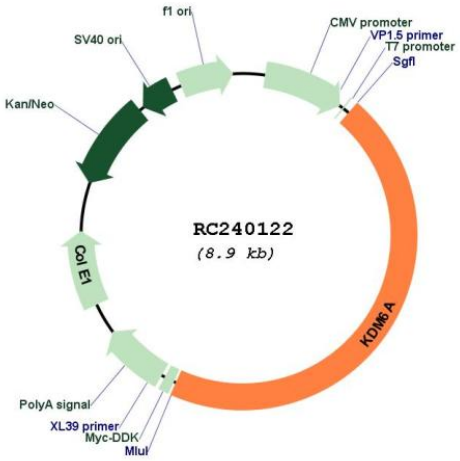
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001291417
ORF Size:	4068 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_001291417.1, NP_001278346.1
RefSeq Size:	5650 bp
RefSeq ORF:	4071 bp
Locus ID:	7403
Cytogenetics:	Xp11.3
MW:	149.8 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]