

Product datasheet for **RR216360**

Kmt5a (NM_001246665) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kmt5a (NM_001246665) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Kmt5a
Synonyms: Pr-set7; RGD1305893; Setd8
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216360 representing NM_001246665
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTGGAGCGGGGGCCGGGGAGGCCCGCAGCGACGGGGAGAACGTGTTTGTGGCAGTCAAAGA
TCTATGCCTACATGAGTCCGAACAAATGCTCTGGAATGCGTTCTCCACTGCAGGAAGAGAACTCCGTCGC
ACATCATGAGGTCAAATGCCCGGGAAACCATTGGCCGGAATCTACAGGAAGCGAGAAGAGAAAAGAAAC
GCTGGGAATGTTATCCGAAGCGCTGTGAAGTCAGAAGAACAAGAGCAAAGATACCAGGAGAGGTCCCC
TGGCGCCTTTTCAAACCAAAAACCTGAAGCAACAAGAACCTCAAACAACTCCACCCCGTCATGTGATTC
TACCAGTGTAGCGGTTGCTAAGCAAGCCCTGAAAAAGCCCTCAAGGGCAAGCAGGCCCTCGGAAGAAG
TCTCAAGGAAGACACAGCAGAAATAGAAAACCTCACAGATTTCTACCCCGTGCAGAGGAGCTCCAGGAAGA
GCAAAGCTGAGCTGCAGTCTGAAGAAAGGAAGAAGATAGATGAGCTAATTGAGAGCGGGAAGGAAGAGGG
CATGAAGATTGATCTAATCGATGGCAAAGGCAGGGGTGTGATTGCTACCAAGCGATTCTCCCGGGGAGAC
TTTGTGGTAGAATACCATGGAGACCTCATTGAAATCACCGATGCCAAGAAGCGGGAGGCTCTGTATGCAC
AGGACCCCTCCACGGGCTGCTACATGTACTATTTTCAATATCTGAGCAAAACCTACTCGTGGATGCCAC
TCAAGAAACGAACCGCTGGGGAGACTGATCAATCACAGTAAGTGTGGGAATTGCCAGACCAAACTGCAT
GACATCGACGGCGTGCCTCACCTCATCCTCATAGCCTCCCGAGACATTGCGGCCGGGGAGGAGCTCCTGT
ACGACTATGGAGACCGGAGCAAGGCCTCCATCGAAGCCTACCCTTGCTGAAGCAC

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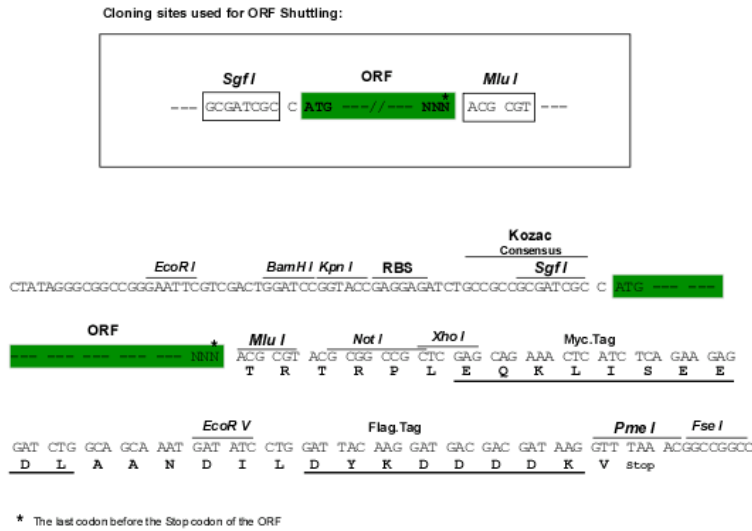
Protein Sequence: >RR216360 representing NM_001246665
Red=Cloning site Green=Tags(s)

MVERRGPGRPRSDGENVFAGQSKIYAYMSPNKCSGMRSPHQEENSVAHHEVKCPGKPLAGIYRKREEKRN
 AGNVIRSAVKSEEQKSKDTRRGLAPFPNQKPEATEPPKTPPPSCDSTSVAVAKQALKKPLKKGQAPRKK
 SQGKTQQNRKLTDFYPVRRSSRKSKAELQSEERKKIDELIESGKEEGMKIDLIDGKGRGVIATKRF SRGD
 FVVEYHGDLEIITDAKKREALYAQDPSTGCYMYFYQYLSKTYCVDATQETNRLGRLINHSKCGNCQTKLH
 DIDGVPHLILIASRDIAAGEELLYDYGRSKASIEAYPWLKH

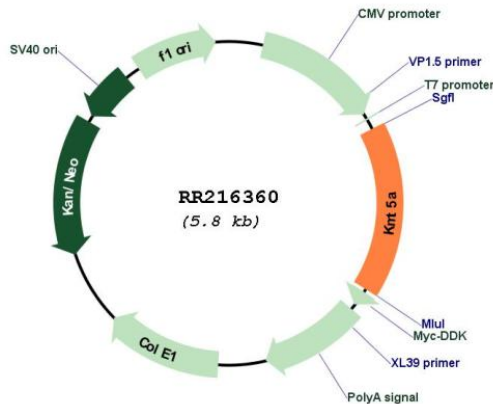
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001246665

ORF Size: 966 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:	<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_001246665.1 , NP_001233594.1
RefSeq Size:	969 bp
RefSeq ORF:	969 bp
Locus ID:	689820
Cytogenetics:	12q15
MW:	36.2 kDa