

Product datasheet for RN217701

Kmt2e (NM_001100851) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kmt2e (NM_001100851) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kmt2e
Synonyms:	MII5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217701 representing NM_001100851 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCATAGCGATCCCATTGGGGTTGATACAACAGAAACATCCTACTTGAAATGGCTGCAGGCTCAG
AACCAGAATCCGTAGAAGCTAGCCCTGTGGTAGTTGAGAAATCCAACAGTTATCCCACCAGTTATATAC
CAGCAGCTCCCATCATTACACAGCTACATTGGTTTGCCCTATGCGGACCATAATTATGGTGCTCGTCCT
CCTCCAACACCTCCAGCATCCCCGCTCCATCAGGTCTCATTAGCAAAAACGAAGTAGGCATATTCACCA
CTCCTCACTTTGACGAGACTTCCAGTGCTACTACAATCAGCACGTCTGAAGATGGGAGCTACGGCACTGA
CGTGACCCGGTGCATATGTGGCTTTACACACGATGACGGCTACATGATCTGCTGTGACAAATGCAGTGTT
TGGCAACATATTGACTGCATGGGATTGACAGGCAGCATATTCCTGATACATATCTATGTGAACGTTGTC
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TGACACCAGTGCAACTGAAAGTGGCGATGAGGTCCCCGTGGAATTATACACTGCATTCCAGCACACTCCA
ACTTCAATCACCTTAGCTGCTTCCAGAGCCCCAAGGTCAGTATAAGAGGAGGAAAAAAGTGGGAGA
AAGAACAAAACCTTCCAAAATGTAAAAAAGCATTTTCGTGAAGGATCTAGGAAATCATCAAGGGTTAAGGG
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CGCAAAGACTCGGCAGTGGGAGTGACAGCAAAGACATGAGTAAACCAGAATTGAGTGTCAACAGCTCCCT
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CCTGATGCACTTATCATTGAATACAGAGAAAGTTTATGCTGAGAGAACAGTTTGAAGCAAATGGATATT
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AAGGAACAAACAACAAAATAAGGAGTCCAGAAACAAAACAGAGAAAGCTTCTCCATTAAGGCTGTCACT
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 GAAGCCACAAGTACAAGTGAATGCCATCCCCTGACACTTCTCAGAGCCCTTCTAAAACAAGCAAGCCTG
 GTTACCAGGGCCAATCAATCCTGCTCAGTCACATGGGAAAATGCTCACAAAACCCAGATTCCCCTGGGA
 GGCAACTGCCACTGTATCAGAAGCTGAGAGCAGTGTTCACCTAAAACCCAGAGCTTCAAGCAAAACAGCTG
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 TTCCGCAAAAGTGCCTTCTGCACCAACAAAATTGCACTGTCTCCGTCCTCCCTCACACAGAAAACCCCTC
 CCAGTCTCCACGCCTCACACGCCTGTGCAGCATGGTTACCTCTACCAAAGCCTCCTTACAGCACCTA
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 CCCCCCACCCTCCGCTCCTTACAGATACTATCAAACCCAGCAGCCCTCTGCAAACTTTCAGAACT
 ACAATCAGCTAAAAGGTAGTCTTTCCCAACAACTGTGTTTACATCTGGACCAAAACAAGCACTTCTG
 CACCACAAGCCAGCCATCCGTTCTGGACACCATGTTACTCCGGGCCATTTCTGCGCTCTCAAACCCCT
 ACCATTACCATCAAAGTCTGCTGTGTTGCTCCACCCCGCCTCCACCACCGCCTGCTCCAGGACCTC
 ACCTCGTACAACAGCCAACTCACATCAGCAGCACTCTGTAGCAGATGTAGTTGGGACAGTTTATGCTGT
 CACCCCTGGGTACACATTCATTCTCAAAGTGTGGACACCATTTACCACCACCTCCTCCACCTCCTGGT
 CCTGCCCCACATCACCATCTCCACCCCATCTTCCACAGGACTGCAAGTCTGCAAGCACAACACCAGC
 ATGTAGTAAACTCAGACCCCCACCGCCCTCCTCCTCCTCCAGCCAGTGTCTGGTTTCTGGGCA

TCATTCAGCATCAGGTCAAGCCTTACATCACCCACCTCATCAAGGACCTCCACTTTTTCTGCGAGTGTT
 CATCCGGCTGTACCGCCGTACCCCTCACAAGCCACACATCACACCACTTTGGGACCGGGACCCCAACACC
 AGCCTTCCGGAACAGGGCCACATTGTCCATTACCAGTTCAGGTCCATCTCCAGCCCCAAGGACCAAA
 CAGTATTCCAACACCTACTGCTTCAGGGTTCTGTCCTCATCTCACCCCTGGCTCTGTGGCCCTGCCACAT
 GGGGTGCAAGGACCTCAGCAGGCATCGCCAGTGCCTGGACAGATTCCAATTCACAGAGCACAGGTGCCAC
 CAACATTTCAAACAATTACCACGGTTCAGGGTGGCATTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001100851
- Insert Size:** 5571 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001100851.1](#), [NP_001094321.1](#)
- RefSeq Size:** 7209 bp
- RefSeq ORF:** 5571 bp
- Locus ID:** 311968
- Cytogenetics:** 4q11