

Product datasheet for **MC224643**

2810474019Rik (NM_026054) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: 2810474019Rik (NM_026054) Mouse Untagged Clone
Tag: Tag Free
Symbol: 2810474019Rik
Synonyms: 6720435I21Rik; AA536804; AU020969; GET; Kiaa1551
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224643 representing NM_026054
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAATTGGAATACAAAACAAGAGAATGTTCCCAAACCCACCATATTCTAAAACCCAGTCATCTATCT
 TGCAGCATTTTTAATGACTTCTACAACATCTCAAAGTCTTTCAACTATTCTCCCATAACCAAGAAGC
 ATCTCAAACCTTTTCAACTATTCTCTCCATAACCAAGAAGCATGCATGTATTCTGGGAATTCAAATTCA
 GTTTCACAGCCACTTCTGAGCGGCAGAAATTATAAATCCTCAGACTCAGATCTCTGTTTCTAATATGC
 CTACCAGAACAATTGTGGCCTCACAGTCTTCAATGGAAAAGAGTTGTATCTACAAATGGTAAAGGACCACA
 ACAACCAAACCACAATTTGCAAACAGTGTCTTCAGGAATTATGCAGAATGTCTGGTTGCCTTCCCATAACA
 GAAGCAACCATATCTCATAATCCCGACGGAGGGACTAATATGCCTTACATGCATCCACCACAGAATCAGC
 TTGTCACATCAGATACCTATTCTATGCAACTACAAATGGCTCCTTTACATTCTGGAAAAGTACCTATGAC
 ACATCAAGGAAGTCAGGGACTTAATCACTTCATACCAGATCAGTTGGTTGACTGGACACAGTATACATCC
 AACGAACCTTTCTATCCTGAATACAGGCCACCTCCAAGCAATACTCCTACATACTGCCAGCTACTACAT
 CATTACAAGTAAAAAATAATCAGCTCCCAACTTATACACAGAGCTTACAGTCAAAGCATTCTGTACCTTT
 GTCATCAGATCAGTATGCTGCAGAAGCCAGCAAAAGACTCTGCCCCTTCTTACAGCTGTAGATATGAA
 AACCAACATGTGCAGAATGCTCAGCCTGTTTCTAAACACTTGCCTATGGAAGTCTCAGAGTTCAGAAG
 TGCACTCATCTGAAAAAAGAAAGATACTTACAGAGGCTTTAAGCAGCAGTGGCAGAACCCTAATGAGAA
 AGTCAGCATTGGACAATTCTCTGAGGTGAAAAATAAATACAAGCAGCCTTACAGTGAATCTGTTAGACCT
 TCTGGGGATGGTGTTCAGGCACTGTTCAAAATAATCAAGAAAAAAGAAAATACCTACAATCCTAATA
 CAAATCAAGTAATAGATACAAAAGCCACAAAAGAAAAGCTGGTGAGGGATATTAATCTCTAGTAGAAAT
 CAAAAAGAAGTTTTCAGAACTTGAAGAAAAATAAAAATAAATAAAGTCTTTTGATGCCAGCTGGTTGT
 AGTAAAACAGCTAATACTTCTTACTGAACCAATTCAGCATTCTGAATTTTCAGCAAAAAGAAATGTCTG
 CTAATAATGGCAATGACTGTTCCATGGAATTGCTAGCAACATGTCTTTCTTTGGAAAAACCAACCTTC
 AAAAAACCAGAGAAGAAATGTTCCAAAACCTTTAGAAGAAAAACAGTGTAAACACATCAAGAATCAGTACA
 ACCGTAGTGGCAGTGCCAATCCCACAATGAAGTTTCATGTTAAGAGTTTGTGTTCTGGTGTGAAATT



CTCAGAAAATGATGAGCTCATCAAAACAGTATTGCCAGTTCTCATACCGAGCTGTGAGTCTCCGGTGT
 AGCTGTAGGAAAAGAACAGAGCTTCAGATTGCTGTGGTGTCCGCTTTAGTTCTTTCAGATACTAATACC
 TTACCTGGAAAAGACTCAGTGCCTGAAGTTTTACCTGAAACACTGTATCCAGTTGTTAAGGAAGGTAGTG
 TTTGTAGCTTACAAACCAACCAACAGAACTGTTGCTTTACCTTTTGATGTTATAGGAGCTGTAGCAAG
 TAATAACATATCAGCAGAGATTCCTCTGCTGTGATAAGGAAAAGCAGCACAACCAATACAGGGTGT
 CCAGACATAGCTGATAGCAGCTTAGGAAAACACTCTCCCTGGGCACTGAAGTTCTGCCTAAGCCTATGG
 ATAGACCATTGTGAGTGGACCTATGTTACAAATCGAAAGTATCTGTTCTTTCAGAAAGGGGATGTATC
 TTACAATTCAGATAGCTGAGATATTTCAACTCTGTACAAACTGAGCCCCAGAAACCTTCACCTAATCAG
 GTAATTGATAGTCAACAAGAACAAGTATATGATACCACTGAAAATAAAAGCTTTAGCTTACAGAAAAGATA
 AGTGTGTACAGTGTACAGATGTTCTCATGAGGTCCCTGAGCAGCCAGAGCCTCTGCAGCCTGAAGAGCC
 AGCATCTAGTGTATGTGGAAGCAAACAGAGAAGCCACAGAGGAAAGCTGTAGGGAGTACACTGGTAGA
 AAAGAAAGTACAGCTAAGGATGTATGTTTACCAGCTGCTATTGAGCAGGATCCTCACCTCGGGAAACTG
 ATATGTTGAGTAAATCAGACCACAGTCTTCTGCAATAAATGAGATTAATGATGAAAGTGAACCTATCTC
 ATACCTACATGACCAGCTGTGAGAGCTTTAAAAGAGTCCCTTATGGCATTGAAACTTTAACAGACAT
 GAAGTGTCTTTGGACCAAAAAGACACATAAAATCGTAGAAAATCAAAGTGGTGTAAAAGTAAAGTAAAG
 TGCTCTGGGGATAGCACAGACAAAATAAAAATTACAGTATTAAGTCTGAACAAAATCAAAGAACTATTTCC
 TGAAGATGATCAGCCCTGTGACAAGTTGGCGGAACCTGAGAATAAAGAAATTTGTCGGAAGTAAAGAGC
 CCATGTGACTCACAGATTCCTAGAGAAGAAAGTATGACCTTGAATGTTGGATCCAGAGAAAGACAAAA
 TCCATTGCTGTGCCTTGGTTGGCTCTCAATGGTGTATGAAGGTGTGCCACAGTGTATTGACAGTTCTAC
 AGAAAAGAAGGAGAAAGACCAGTGTGGGACATCAACAGCAGCAAACAAGGAGAGCAGCCCTGCAATAGT
 GGAATCACTATTTTTGAAATTAATCCTGTTTCTAACTCAAAAACCTCTGACCCAAGCAACTGAGG
 AAGGCCATTTTTGTCAGTGCATGGTAAAAGACCAAAGCATCTAAAACAAAAGACAACAGGGAGGAC
 GGAATAGCCTGTCAATTTTTAGCTAAATGTTACAAAAAAGATAAAAAAGGTAATTTTTAAAAAAGGCAT
 GATACCTCACTGAAAATGGAGCAAAAACAAAAAATTTTCACTAAATGTGACATACCAAACCCCTCAA
 AATGCAATAAGATAGCAGCCCTGAAATACTTACGTAACAACCTCTAACTCTGCTAAAAATATGCCATT
 TTCTAAACAAGCCTCTCAGGAAAGCCTACAGAAGAAACACACGTCCCAAGACTTGGGTCCAGTAAAAGCA
 CCTATAGAACTTTGTCAAAACACAGATCCGTGCAGGAGTAACTCTTTCAGTACAGTCAATCACCAG
 AAAAGAAAAAATAAAATTCAAAGCAGGTGGCTCCAGGTTGAAATTTTTGAAAAAGAAAGACGGATCA
 CGTTATTATTCCAGATGTAGAAAATAAAAAAGAAGAAATATGAAAAGCAAGAACAGAACAAAAATGCTGGA
 GACACACTCAAATGTGAGTATTCTTACAGAGTCAAATGAAAGAGCCAGTGTTCAGAAAAGACAGTTC
 CAAGTCTGAGTCTCAGACCCAAAGGGTAGCTCTCTAAGAGTACTAGAGTTATAACAGTGCAGGAATA
 TTTACAACGGCAGAAAGCAAAACAAATAACTGGGAATAATGCTTCCAGAAACATCTGTGTAGAAACTGTG
 CTATGTGACTCGGGGCACACGAAGACCAGTAAGCATTCTGCAGCAGTAAGCTGGGAAAAGTTAGTTGAGG
 GGCAGAGTATCAGTGCAGAGACTGCAAAAAGAACTGGAACATAATTCTAGCAGCCATGGTAAAGACTTCAA
 GATCCATCACTCTGAGGCGTCTAGAACACACAGTGTGTCAAATAATAAAGGAAAAGTTTATGTTGGGAA
 CAGCCTGATAAAATGTTTAAAAAAGAACAGTATGAATAATGAGTCCAACCAGATGCCTCTCCAGGTAA
 AAGAACAAGGAAACAGTACTTGAATCGAGTTGCGTTTAAATGCACAGAACGGGAAAGCATATGTCTCAC
 CAAATTTGGATAGTGCATCCAAGAAGCTTAGTATAGAGAAAAAGAGTGGGAATATACATCTAAGACAAA
 GACACAGACAAACCTAGTATGCTGGAGTTAAATTAATGTCAGATGTGCTATTGAAGAATAACAAGCACTG
 TTGACAAGCAGGATTGCTGCTGGTCTGGTCTGAGAAAAGAGCAAGCACCTGTGCAAGTTTCAGGAATAAA
 AAGTACAAAAGAAGACTGGTTAAATGCATCCCTACAAGGACAAAAGATGCCTGAATCAAGTCAAAGAGAT
 AGTGTGACTCAAGACTTTCTAAGAGAAGCCTCAGTGCAGATGAAATTTGAAATACTACAAAACCCAGTAA
 AAGAATCAAATATCATGTTCCGGACCTACAAAAGATGTACCTTGAGAAGAGAAGCAGAAGCCTCGGGAG
 TAGTCCAGTTAAATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_026054
Insert Size: 4566 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).
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_026054.3 , NP_080330.1
RefSeq Size:	6094 bp
RefSeq ORF:	4566 bp
Locus ID:	67246
UniProt ID:	Q5DTW7
Cytogenetics:	6 G3
Gene Summary:	<p>Plays a role in the regulation of imprinted gene expression, regulates repressive epigenetic modifications associated with SETDB1. Required for the recruitment or accumulation of SETDB1 to the endogenous retroviruses (ERVs) and maintenance of repressive chromatin configuration, contributing to a subset of the SETDB1-dependent ERV silencing in embryonic stem cells.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks an exon in the 5' UTR, compared to variant 1. Variants 1, 2, and 3 encode the same protein.</p>