

Product datasheet for MR227154

Prdm2 (NM_001081355) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prdm2 (NM_001081355) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prdm2
Synonyms:	4833427P12Rik; E330024L24Rik; Gm1033; Gm19732; KMT8; Riz; Riz1; Znfpr1c1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR227154 representing NM_001081355 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCATCAGAACACTGAGTCTGTGGCAGTCACTGAGACTCTGGCTGAGGTACCTGAACACGTGCTTCGAG
GACTTCCAGAGGAAGTAAGACTTTTACCATCTGCGGTCGACAAGACTCGGATTGGTGTCTGGCCACTAA
ACCAATTTTAAAAGGGAAAAAGTTGGCCATTTGTTGGTGATAAGAAGAAGAGATCCCAGGTTAGGAAT
AATGTATACATGTGGGAGGTGTACTACCCAATTTGGGGTGGATGTGCATTGATGCCACTGATCCGAGA
AGGGCAACTGGCTCCGCTATGTGAAGTGGCTTGGCTCAGGAGAAGAACAAGATTTATTTCCACTGGAAT
CAACAGAGCCATTTACTATAAAACCTTAAAGCCAATCGCCCTGGCGAGGAGCTCCTGGTCTGTTACAAT
GGGGAAGACAACCCGAGATAGCAGCTGCGATTGAGGAAGAGCGAGCCAGCGCCCGGAGCAAGCGGAGCT
CCCCGAAGAGCCGGAGAGGGAAGAAGAAATCACAGGAGAAATAAAACAAGGCGTCAGAACCAGGCTGC
AGCGCGGAAGGCGAGCGAGCTGGACTCCACCTCTGCAAACATGAGGGGCTCTGCAGAAGTCCAAAAGAA
GAGGATGAGAGGCCTTTGGCTTCTGCACCTGAGCAGCCAGCCCTTCTGCCAGAGGTGGTAAGCCAGGATG
CAGTCCACAGGTGGCCATCCCTCTTCTGCCTGCGAGTCACAGCCAGGGGCAGATGGGAAACAAGAAGT
CACAGACTGTGAGGTCAACAATATGAAGGAAGAGGAGGAGGAGGAGGAGGAGGAGTGGAAAGAAAGAA
GAGGAGGAGGAGTTGGGAGAAGATGGGGAGAAGAAGCAGACATGCCAATGAAAGCTCTGTGAAAGAAC
CAGAAATACGGTGTGAAGAAAAGCCAGAAGATTTACTGGAAGAGCCACGGAGTGTGCCAACTGAAACTTC
TGAAGGCTCCCCAGGCGCCACCCCTCTCCCCAGCTCCAGGGCTAGAGAGGAGGCCAACGCGGAGGGG
CTTGAAACATTGTTTCCATGTGAGCATTGTGAAAGGAAATTTGCAACGAAGCAGGGGCTAGAACGTC
ACATGCACATCCACATTTCTACAATCAACCACGCTTTCAAGTGAAGTACTGTGGGAAACATTTGGCAC
ACAGATCAACAGGAGGCGGCATGAAAGGCGCCACGAAACAGGGTTGAAGAGAAGACCCAGCATGGCATT
CAATCCTCAGAGGACCCAGACGATGGCAAGGGGAAAAATGTTACTTCTAAAGATGAGTCGAGTCCACCTC
AACTTGGGCAAGACTGTTTGATATTGAACTCAGAGAAAACCTCACAGGAAATACTGAATTCATCTTTTGT
GGAAGAGAATGGTGAAGTTAAAGAACTCACCCATGCAAATACTGCAAAAAGGTATTTGAACTCACACC



[View online »](#)

AATATGAGACGACATCAGCGTAGAGTTCACGAACGCCACCTGATTCCCAAAGGTGTCCGGCGAAAAGGAG
 GCCTCCTAGAAGAGCCGACGCCACCTGCAGAGCAGGCCCCCGCCCTCCCAGAATGTCTATGTACCAAGCAC
 AGAGCCCAGGAGGACGGGGACGCAGATGATGTGTATATCATGGACATTTCTAGCAACATCTCTGAGAAC
 CTAATTAATATATTGATGGTAAGATTCAGACCAACAACAGCACTAGTGATTGTGATGTGATTGAGATGG
 AGTCTAACTCTGCACACTTGTATGGCATAGACTGTCTGCTCACTCCAGTAACTGTAGAGATTACTCAAAA
 CATAAAGAGCACTCAGGGCTCTGTGACAGATGATCTTCTTAAAGAGTCTCCAGTAGCACAAATTTGCGAG
 TCTAAGAAACGGAGGACTGCCAGTCCACTGTACTCCATAAAATTAAGCAGAGACAGATTCTGATTCCA
 CGGCACCCTCGTGTTCCTTAAGTCTGCCTCTGAGCATATCAACAACAGAGGTGGTGTCTTTCCATAAAGA
 GAAGGGTGTCTATTTGTCTTCAAAGCTCAAGCAGCTTCTTCAGACCCAGGACAAACTGACTCCTCTGCA
 GGGATTTCAACAGCTGAGATTCCTAAGTTAGGTCCCGTGTGTATCTGCTCCTGCATCCATGTTAGCTG
 TGACTTCTAGTAGGTTAAGAGACGCACCAGCTCTCCCCCAGTTCTCCACAGCACAGCCCTGCCCTTCG
 AGACTTTGGGAAACAGAGTGTGGGAAAGCAGCATGGACAGACACAGCTCTGACTTCCAAGAAACCGAAG
 TTGAAAGTCGTAGTGACTCACCAGCGTGGAGTTGTCTGGGAGAGATGAGAGAGAACTGGAAGCCCTC
 CTTGTTTTGATGAATACAAAATATCAAAGAATGGGCAGCCAGTTCTACTTTGAGCAGCGTGTGCAACCA
 ACAGCCGTTGGATTTATCCAGCGGTGTCAAACAGAAGTCAGAGGGCACAGGCAAGACTCCAGTCCCATTGG
 GAATCTGTATTGGATCTCAGTGTGCATAAAAAGCCTTGTGATTCTGAAGGCAAGGAATTCAAAGAGAACC
 ATTTGGCACAGCCGGCTGCAAAGAAGAAAAACCAACCACCTGCATGCTACAAAAGGTTCTTCTCAATGA
 ATATAATGGTGTAGCTTACCTACAGAAAGCACACCAGAGGCGACCAGGAGCCCAAGTCTTGTAAATCA
 CCAGACACACAGCCAGATCCTGAACTTGCTACTGACTCGAGTTGCTCAGCCCCACTGCTGAGTCTCCAC
 CTGAGGTTGTTGGCCCTTCATCACCCCTCTCCAGGCAGCCTCCCTGTCTCTGGTCAGCTGCCTCCTCT
 CTTGATCCCCACAGAGCCTTCTCCCTCCGCCCTGCCCTCCTGTGTTAACTGTTGCCACTCCACCACCT
 CCCCTCTCCGACTGTCCCTCTCCCAACCCCTCTTGTGATGCCTCTCCTCAACAGTGCCCTCTCCAT
 TCTCAAATGCCACTGCTCAGTCTCCTCTCCGATTCTCTCCCAACAGTGTCCCTCTCCCTCTCCTCTCCTAT
 TCCTCCTGTAGAGCCACTCATGTCTGCTTCCCTGGTCTCCGACACTTTCCTCCTCTTCTCCTCTCC
 TCTTCTCCTCT
 TGTCTATCTGTGGTGTCTCTGGGACAACCTGGAAGCATCTCTCCCTGCAATAACTCTCAAACAGGAGGA
 GTCAGAGAGTGAAGGTCTGAAACGCAAGGAAGAGGCCCCAGCTGCAGGTGGGAGAGCGTGTCCAAGAG
 ACATTGAGCAGAACTTCGTCTGCAATGTGTGCGCATCACCTTTTCTTCCATTAAGACCTAACCAAAC
 ATTTGCTGTCCATGCTGAAGAATGGCCCTTCAAATGTGAGTTTTGTGTGCAGCTTTTTAAGGGTAAAGC
 CGATCTATCAGAGCACCATTCTGCTTACGGAGTCGGAATATCTTTGTGTGTTCTGTATGTAAGAAA
 GAATTTGCCTTTATGCAATTTACAGCAGCATCAGCGTATCTCCACCAGATGAGTTATGCACACACC
 ACGAGTTTGAAAGTGGGACCCTGAGGCCCCAGAACTTCACAGACCCAGCAAGGCCCATGTGGAGCATAT
 GCCGAGTTTCCAGAAGAGCCTGCGGAAGCTTCTAGAGAGGAGGAGTTAAATGACTCCTCTGAAGAGCTT
 TACACGACCATCAAAAATATGGCTTCCGGAATAAAGACGAAAGAGCCAGATGTTGCACTTGGTCTCAACC
 AGCATTACCCGAGCTTTAAGCCACCTCCATTTCACTACCACCATCGAAACCCTATGGGGATTGGGGTAAAC
 AGCCACAAACTTACCACCCACAATATCCACAGACTTTCACTACTGCCATCCGCTGCACAAAGTGTGGC
 AAGAGTGTGATAACATGCCTGAGCTGCATAAGCACATCTTGGCGTGTGCATCTGCAAGTGACAAGAAGA
 GGTACTCTCCTAAGAAAAACCCAGTGGCGTGGAGCAGCGTGCAGCCCAAAAATGGAGTGTGGTTTT
 AGACAACCTCTGGGAAAAATGCCTTCAGACGGATGGGCGAGCCTAAGAGACTGAGCTTCAATGTTGAACTC
 AGCAAAATGTCTCAAATAAAGCTCAAGCTAAATGCATTGAAGAAAAAAAATCAGCTGGTACAGAAAGCGA
 TCCTTCAGAAGAACAGATCTGCGAAGCAGAAGGCAGACCTGAGGGACACTTCCGAGGCGTCTCACATAT
 CTGCCCTTACTGTGACAGGGAGTTCAGTACATCGGCAGCCTGAATAAGCATGCTGCTTTTCACTGTCTCT
 AAAAAACCCCTTCTCCTTCCAAAAGAAAAGTTTCTCATTATCTAAGAAAGGTGGCCACACATCATCTG
 CCAGCAGTGACAGAAACAGTGTAGCAATCCCCGGAGGCGCACCCGAGATACGGAGATCAAGATGCAGAG
 CATGCAGGCACCCTTGGCAAGACCCGAGCTCGGAGTACAGGCCCTGCCAAGCCTCGTGCCTCTCTCA
 TCCTTCAGATCCAGACAGAATGTCAAGTTTGCAGCTTCAAGTCAAGTCAAAAAAGCAAGCTTTCATCCT
 TGAGGAATTCTAGTCCCCTAAGAATGGCTAAGATTACTCATGTTGAGGGCAAAAAATCCAAGCTGTTGC
 CAAGAGTCATTCTACTCAGCTCTCAAGCAAGCATCCCCAAGCCTGCACGTGAAGGTGACAGAAGAGCAAA
 GCTGTTCTACAAAGCAAGACTGCCTGGCCAGCAAGAAAAGAACAGACCCGTTTATAGTAAAATCTAGAG
 AGCGGAGCGGGGGCCCAATCACCCGAAGCCTTCAAGTGGCAGCTGCTGCGGACCTGAGTGAAGCAGGAG
 AGAGGACAGCAGTGCAGGCATGAGCTGAAGGACTTGAAGTACAGCCTCCGCCTGGCATCGCGATGCGCC
 TCATCAACAGCCCTTATATCACAGACAATGCAGAAAGGTCAAGGCTGCAGCAGCAACTCAGTTCAGG

GACCCTTCTTCAAGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>MR227154 representing NM_001081355
Red=Cloning site Green=Tags(s)

MHQNTESVAVTETLAEVPEHVLRLPEEVRLLPsAVDKTRIGVWATKPIKGGKFGPFVGDKKKRSQVRN
NVYMWEVYYPNLGWMCIDATDPEKGNWLRVNWACSGEEQNLFPLEINRAIYYKTLKPIAPGEE LLVWYN
GEDNPEIAAAIEEERASARSKRSSPKSRGKKSQENKNKGVRTQAAARKASELDSTSANMRGSAEGPKE
EDERPLASAPEQPALLPEVVSQDAVPQVAIPLPACESQPGADGKQEVTDCEVNNMKEEEEEEEEEEEEE
EEEEELGEDGEEEEADMPNESSVKEPEIRCEEKPEDLLEPRVPTETSEGSPGATPPPAPHARAREEANGEG
QSSDPDDGKGENVTSKDESSPPQLGQDCLILNSEKTSQEILNSSFVEENGEVKELHPCKYCKKVFGTHT
NMRRHQRRVHERHLIPKGVRRKGLLEEQPPAEQAPP SQNVYVPSTEPEEDGDADDVYIMDISSNIS EN
LNYYIDGKIQTNNSTSDCDVIEMESNSAHLGIDCLLTPVTVEITQNIKSTQGSVTDDLKESPSSTNCE
SKKRRASPPVLPKIKAE TDSSTAPSCSLSLPLSISTTEVV SFHKEKGVYLSKLLKQLLQTQDKLTPPA
GISTAEIPKLGVCVSAPASMLAVTSSRFKRR TSSPPSPQHSPALRDFGKQSDGKAAWTDALT SKKPK
LESRS DSPAWSL SGRDERETGSPCFDEYKISK EWAASSTFSSVCNQQLDLSSGVKQKSEG TGKTPVPW
ESVLDL SVHKKPCDSEGKEFKENHLAQA AAKKKKPTTCMLQKVLLNEYNGVSLPTESTPEATRSPSPCKS
PDTQPDELATDSSCSAPTAE SPPPEVVGPSPPPLQAASLSSGQLPPLLIPTEPSSPPPCPPVLT VATPPP
PLLPTVPLPNPSCDASPQQCPSPFNATAQSPLPILSPTVSPSPSIPPPVEPLMSAASPGPPTLSSSSSS
SSSSSFSSSSSSSSSPPPLSAVSSVVS SGNLEASLPAITLKQEESESEGLKRKEEAPAGGQSAVQE
TFSRNFVCNVCASPFLSIKDLTKHLSVHAE EWPFKCEFCVQLFKGKTDLSEHRFLLHGVGNIFVCSVCKK
EFAFLCNLQQHQ RDLHPDELCTHHEFESGTLRPQNF TDPSKAHVEHMPSLPEEPAEASREELNDSSEEL
YTTIKIMASGIKTKEPDVRLGLNQHYPSFKPPPFQYHHRNPMGIGVTATNFTTHNIPQTF TTAIRCTKCG
KSVDNMP ELHKHILACASASDKKRYTPKKNPVLRQTVQPKNGVLVLDNSGKNAFRRMGQPKR LSFNVEL
SKMSPNKLKLNALKKKNQLVQKAILQKNRS AKQKADLRDTSEASSHICPYCDREF TYIGSLNKHAAF SCP
KKPLSPSKRKVSHSSKKGHTSSASSDRNSSSNPRRRRTADTEIKMQSMQAPL GKTRARSTGPAQASLPSS
SFRSRQNVKFAASVKSKKASSSLRNSSPV RMAKITHVEGKKS KAVAKSHSTQLSSKASRSLHVKVQKSK
AVLQSKTALASKKRTDRFIVKSRERSGGPITRSLQLAAAADLSESRR EDS SARHELKDL SYSLRLASRCA
SSTAPYITRQCRKVKAAAATQFQGPFKE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1396_d11.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001081355

ORF Size: 5127 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_001081355.3](#), [NP_001074824.3](#)

RefSeq Size: 7323 bp

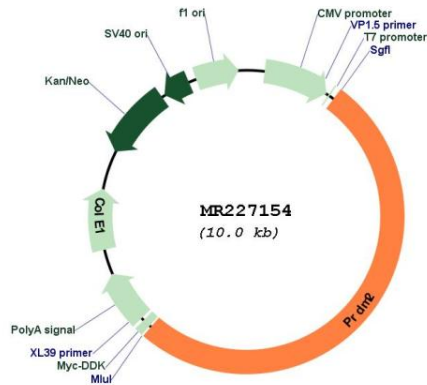
RefSeq ORF: 5130 bp

Locus ID: 110593

Cytogenetics: 4 76.84 cM

MW: 187.7 kDa

Product images:



Circular map for MR227154