

Product datasheet for **MR231218**

2010111I01Rik (NM_001289924) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	2010111I01Rik (NM_001289924) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	2010111I01Rik
Synonyms:	2300006M17Rik; Aoep; AP-O; ApO; AW742919; mir-23b; mir-24-1; mir-27b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR231218 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACATAAAGCTGGACCCCTCCCGGGATGATCTGCCTCTCATGGCCAACACCAGCCACATGCTTGTGA
 AGCACTACATACTGGATTTGGATGTGGACTTTGGAAATCAAGTCATTGAGGGCAACATAGTGCTTTTCTT
 TGGAGATGGAAACAGATTTAAAAACCAAGTCGCGTTCTACCCAGGAAACCTTCCAGATGGAGTCAGAGGAG
 GCTGACATATTTAGGACAGCTGAACCTGCCATGTTTCTGAGATGGATTCGAGTACCTTCTCACCTAAGA
 TGGGACATAGAGAATGTGCAGTCTGTGGTAAAGGTGATCAAGATGCCTTTGATAACGATGGTAACCATGA
 CAACCAGGAACGTGATTCTGAGATCTCTAGCTCAAAGTACTGCTGTGACACAGGGGAATCATGGGAAAAGG
 GATTTCTGTAGTGTGGACTGCTGTGATTTATCTGTGCTAAAGGTAGAGGAGGTGGATGTGGCTGCTG
 TGCCAGGCCTTGAGAAATTTACTAAAGCTCAAAGCTCTTGGCTACTCCTGAGAAGCTCAGGTGTGAGAT
 TGTCCGTGACCTTGTGGCTCTGCCTGCAGATGCTTGGAGGGAGCAGTTAGACTGTACACTCGTTGCAGC
 CAGGCTCCTGGCTGTGGGAGCTTTGATTGACTCTGACAATTGGAGCTTACGGATCAGGAAGACCGGGGA
 CTTTCGACACCTGCTGACTTTCTCGTGCCATCAGAATATGGTATAAAACTAAACCTGAGGGGCAGTCAGT
 AGCTTGGACAACAGACCAGAATGGCAGGCCATGTGTTTATACTATGGGATCCCCCATCAACAACAGGGCC
 CTTTTCCATGCCAGGAACACCCGTTGCCATGTCAACATGGCAGGCTACAGTTCGAGCAGCTGCATCTT
 TTGTTGTTTTAATGAGTGGAGAAAATTCGCCAAGCCACACCACTTCGAGAAGGATACATGAGCTGGCA
 TTAATAATGACCATGCCAATGCCGGCTCTACCTTTGCAATTGCAGTGGGGTCTGGACAGAAATGAAG
 CCCAAGGCATCCCACCAGATGATCTGATGACTGAGCACTCTCTCCCCCTCTGCCATCGGAAGCCGACT
 TGAGTATGATAACACCTGCAATCATATGGAATACCTTGCAGGTTCCAGAGTCCGCTCCGCTGCCTCCCA
 GGACATCATTCTTATCGAGTGTGGCCCAAGTGTGCCTTGAGGGTGCCTGCCAAGAGGCCCTGCTGTGG
 CTGATCCCTTCTGCTCTCAGCTGCACACTCTGTCTGGGAACACACCTTTCTCCCGGCTGGACATAC
 TCATTGTCACCAACTTTCCAAGTCTGGGAATGGCCAGCCACACATCATCTTCTCTCAGAGCAC
 CTTAACAGGCACGAGCCATCTCTGTGGGACCCGCTTTGCCATGAAATTGCTCACTCCTGGTTTGGCCTA
 GCCATTGGGGCCCGAGACTGGACAGAGGAGTGGCTCAGTGAAGGATTTGCCACGCATTTGGAAGATATAT
 TTTGGGCTGAGGCACAGCAGCTGCCCCCCATGAGGCCCTGGAGCAGCAGGAGCTGAGGGCTTGCCTGCG
 CTGGCACCGCCTGCAGGATGAGCTTCGGAACCTCCAGAGGGAATGCAGGTGTTAAGACCAACAAAGAA
 GAGACTGGCCATGTGAGTCTCAGGTGCATCTGTTGTCAAGCATGGACTCAATCCAGAGAAGGGCTTCA
 TGCAGGTTCACTTAAAGGGCTACTTCTTCTCGGTTCTTAACCAGAACACTTGGAGAGAAAATTTA
 TTTCCGTTTTTAAAGAAAATTTGTGCATCTGTTTCATGGGCAGCTGATTCTTCCAGGATTTTCTTCAA
 ATGCTGTTGGAGAACATTCCAGAAAACAAAAGGCTCGGCCTGTCTGTTGAGAACATCGTCCGAGATTGGC
 TTGAGTGTTCGGAAACCTAAGGCGCTGCAGGAGGAGCGCAAGGCCGAGGACTGCTCGCCGAGTAGGCT
 CGCACGGCAAGTAGGCTCCGAGGTGGCGAAATGGATTGAGTCAACCGCAGACCCCGAAAACGCAACGA
 GGAAGCGAGAAGTCGCCTTTGAAAAGCTTTCTCCAGACCAGATCGTCTTGCTTTGGAGTGGCTCTTAG
 AGCAGAAGACGCTGAGCCCTCAGACACTGCACTGTCTCCAGCAGACTTACCATCTCCAGAGCAGGATGC
 AGAGTTTCGCCATCGATGGTGTGAACCTGGTTATTAAGCACAAGTACACAAAGGCATACAATCAGGTGGAG
 AGGTTCTACTGAGGACCAAGCCATGGGCATATACCTGTATGGGGAGCTGATGGTGAAGGACGCCA
 GGCTGCAGCAGCTAGCCACAGGTGCTTTGAGCTGGTGAAGGAACACATGGACAGAGCATCGGCCAGGT
 GGTGACTGAAATGCTGTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR231218 protein sequence
Red=Cloning site Green=Tags(s)

MDIKLDPSRDDLPLMANTSHMLVKHYILDLDVDFGNQVIEGNIVLFFGDGNRFKNQSRSTQETFQMESEE
ADIFRTAEPCHVPEMDSSTFFSPKMGHRECAVCGKGDQDAFDNDGNHDNQERDSEISSSKYCCDTGNHGKR
DFLLVLDCCDL SVLKVEEVDVAAVPGLKFTKAPKLLATPEKLRCEIVRDLVALPADAWREQLDCYTRCS
QAPGCGELLIDSDNWSLRIRKTGTSTPADFPRAIRIWKTKPEGQSVAWTTDQNGRQPCVYTMGSPINNRA
LFPCQEPVAMSTWQATVRAAASFVVLMSGENSAKPTPLREGYMSWHYYVTMPMPASTFAI AVGCWTEMK
PKASPPDDLMEHSLPLSPSEADLRYDNTCNHMEYPCRFQSASAASQDIIPYRVFAPVCLLEGACQEALLW
LIPSCLSAAHSVLGTHPFSRLDILIVPTNFP SLGMASPHIIFLSQSTLTGTSHLCGTRLCHEIAHSWFG
AIGARDWTEEWLSEGFATHLEDIFWAEAQQLPPHEALEQQELRACLRWHRLQDELNSPEGMQVLRPNKE
ETGHVSASGASVVKHGLNPEKGFQVHYLKG YFLLRFLTRTLGEKIYFPFLRKFVHLFHGQLILSQDFLQ
MLLENIPENKRLGLSVENIVRDWLECSGIPKALQEERKAEDCSPSRLARQVGSEVAKWIRVNRPRKRKR
GKREVAFEKLSPDQIVLLEWLLLEQKTLSPQTLHCLQQT YHLPEQDAEVRHRWCELVIKHKYTKAYNQVE
RFLLLEDQAMGIYLYGELMVSEDARLQQLAHRCFELVKEHMDRASAQVVTEMLF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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_001289924.1](#), [NP_001276853.1](#)

RefSeq Size: 3843 bp

RefSeq ORF: 2472 bp

Locus ID: 72061

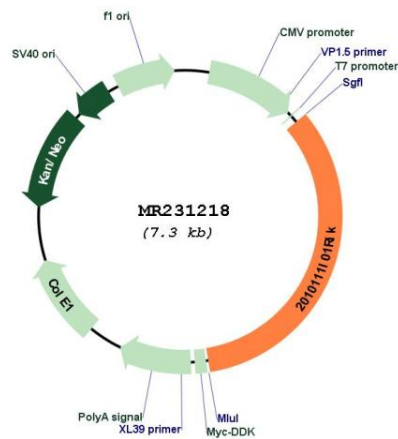
UniProt ID: [Q8BXQ6](#)

Cytogenetics: 13 B3

MW: 93.6 kDa

Gene Summary: Aminopeptidases catalyze the hydrolysis of amino acid residues from the N-terminus of peptide or protein substrates. Able to cleave angiotensin III to generate angiotensin IV, a bioactive peptide of the renin-angiotensin pathway. Not able to cleave angiotensin I and angiotensin II. May play a role in the proteolytic processing of bioactive peptides in tissues such as testis and heart.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR231218