

## Product datasheet for **MC229007**

### 2010111I01Rik (NM\_001289924) Mouse Untagged Clone

#### Product data:

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



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Fully Sequenced ORF: >MC229007 representing NM\_001289924  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGACATAAAGCTGGACCCTTCCCGGGATGATCTGCCTCTCATGGCCAACACCAGCCACATGCTTGTGA  
AGCACTACATACTGGATTTGGATGTGGACTTTGGAAATCAAGCATTGAGGGCAACATAGTGCTTTTCTT  
TGGAGATGAAAACAGATTTAAAAACAGTCGCGTTCTACCCAGGAAACCTTCCAGATGGAGTCAGAGGAG  
GCTGACATATTTAGGACAGCTGAACCCTGCCATGTTTCTGAGATGGATTCGAGTACCTTCTCACCTAAGA  
TGGGACATAGAGAATGTGCAGTCTGTGGTAAAGGTGATCAAGATGCCTTTGATAACGATGGTAACCATGA  
CAACCAGGAACGTGATTCTGAGATCTCTAGCTCAAAGTACTGCTGTGACACAGGGAATCATGGGAAAAGG  
GATTTCTGTAGTGTGGACTGCTGTGATTTATCTGTGCTAAAGGTAGAGGAGGTGGATGTGGCTGCTG  
TGCCAGGCCTTGAGAAATTTACTAAAGCTCAAAGCTCTTGGCTACTCCTGAGAAGCTCAGGTGTGAGAT  
TGTCCGTGACCTTGTGGCTCTGCCTGCAGATGCTTGGAGGGAGCAGTTAGACTGCTACACTCGTTGCAGC  
CAGGCTCCTGGCTGTGGGGAGCTTGTATTGACTCTGACAATTGGAGCTTACGGATCAGGAAGACGGGGA  
CTTCGACACCTGCTGACTTTCCTCGTGCCATCAGAATATGGTATAAAACTAAACCTGAGGGGCAGTCAGT  
AGCTTGGACAACAGACCAGAATGGCAGGCCATGTGTTTATACTATGGGATCCCCATCAACAACAGGGCC  
CTTTTTCCATGCCAGGAACCACCGTTGCCATGTCAACATGGCAGGCTACAGTTCGAGCAGCTGCATCTT  
TTGTTGTTTTAATGAGTGGAGAAAATTTGCCAAGCCACACCACTTCGAGAAGGATACATGAGCTGGCA  
TTACTATGTGACCATGCCAATGCCGGCTCTACCTTTCGAATTGCAGTGGGTGCTGGACAGAAATGAAG  
CCCAAGGCATCCCCACCAGATGATCTGATGACTGAGCACTCTCTCCCCCTCTGCCATCGGAAGCGGACT  
TGAGGTATGATAACACCTGCAATCATATGGAATACCTTGCAGGTTCCAGAGTGGTCCGCTCCCTCCCA  
GGACATCATTCTTATCGAGTGTGGCCAGTGTGCCTTGGAGGTGCCTGCCAAGAGGCCCTGCCTGTGG  
CTGATCCCTTCTGCTCTCAGCTGCACACTCTGCTCCTGGGAACACACCTTTCTCCCGCTGGACATAC  
TCATTGTCCCCACCACTTTCCAAGTCTGGGAATGGCCAGCCACACATCATCTTCTCTCAGAGCAC  
CTTAACAGGCACGAGCCATCTCTGTGGGACCGCTTTTCCATGAAATTGCTCACTCCTGGTTTGGCCTA  
GCCATTGGGGCCGAGACTGGACAGAGGAGTGGCTCAGTGAAGGATTTGCCACGCATTTGGAAGATATAT  
TTTGGGCTGAGGCACAGCAGCTGCCCCCCATGAGGCCCTGGAGCAGCAGGAGCTGAGGGCTTGCCTGCG  
CTGGCACCGCTGCAGGATGAGCTTCGGAACCTCCAGAGGGAATGCAGGTGTTAAGACCAACAAGAA  
GAGACTGGCCATGTGAGTGTTCAGGTGCATCTGTTGTCAAGCATGGACTCAATCCAGAGAAGGGCTTCA  
TGCAGGTTCACTTAAAGGGTACTTCTCTTCTCGTTTCTAACCAGAACACTTGGAGAGAAAATTTA  
TTTTCCGTTTTTAAGAAAATTTGTGCATCTGTTTCATGGGCAGCTGATTCCTTCCAGGATTTTCTTCAA  
ATGCTGTTGGAGAACATTCCAGAAAACAAAAGGCTCGGCCTGTCTGTTGAGAACATCGTCCGAGATTGGC  
TTGAGTGTCCGGAATACCTAAGGCGCTGCAGGAGGAGCGCAAGGCCGAGGACTGCTCGCCGAGTAGGCT  
CGCACGGCAAGTAGGCTCCGAGGTGGCGAAATGGATTTCGAGTCAACCCGACAGCCCGAAAACGCAACGA  
GGGAAGCGAGAAGTCGCTTTGAAAAGCTTTCTCCAGACCAGATCGTCTTGCTTTTGGAGTGGCTCTTAG  
AGCAGAAGACGCTGAGCCCTCAGACACTGCACCTGCTCCAGCAGACTTACCATCTCCAGAGCAGGATGC  
AGAGTTCCGCATCGATGGTGTGAAGTGGTTATTAAGCACAAGTACACAAAGGCATACAATCAGGTGGAG  
AGGTTCCACTAGGAGGACCAGGCCATGGCATATACCTGTATGGGGAGCTGATGGTGGAGTGGAGGACGCCA  
GGCTGCAGCAGCTAGCCACAGGTGCTTTGAGCTGGTGAAGGAACACATGGACAGAGCATCGGCCAGGT  
GGTACTGAAATGCTGTT**CATA**

**ACGCGT**ACGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
ACCN: NM\_001289924  
Insert Size: 2472 bp

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>RefSeq:</b>	<u>NM_001289924.1, NP_001276853.1</u>
<b>RefSeq Size:</b>	3843 bp
<b>RefSeq ORF:</b>	2472 bp
<b>Locus ID:</b>	72061
<b>UniProt ID:</b>	<u>Q8BXQ6</u>
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the functional protein. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>