

Product datasheet for MR218078

A2ml1 (NM_001001179) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: A2ml1 (NM_001001179) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: A2ml1
Synonyms: Ovos; Ovos2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR218078 representing NM_001001179
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGTGCCTACCATCTTGCTCAGTGCCCTCCTGCTTCATTTCACTGATGTTGTGGCTGCAGAACC
 CGCATACATCCTGTGGGTTTCTCCGTGGTACAGCGATTTTCTCAGAAAAAGCCTGTCTTCATCTTTAAACCT
 CAACGAATCTGTGCTCTGAGCGTCACCCTAGAATATGATGGATCCAGTACTACTATTTTGACCAGCCC
 GTGGACGAGGGAACTTCTACGCTTGTGCAGATTTCAAAGTGTCTCAGATGTCTCAGAGCAGTTGGCCT
 TTGTGGCATTACTTGTTCAGGAAACACTCTTAAATCTCTGAGAGAAGATCTGTGGCCATCGCTGCTGA
 GGAGAACGCCACTTTTGTGCAGACAGACACACCGGTCCATAAACCTGGAGACACAGTTCACCTTCGCGTT
 GTGACACTGAACATCTGGCTGAAGCCTGTTGATGACTTGTATCCCTTGATCACCGTTCAGGATCCCCAAA
 GCAATGTGATTTTTAGTGGATCAATGTGACCACTTTAGAAAACATTACCCAGCTCTCCTCCAAGTAC
 GCCGGAACCAATATTGGGGGATTACACAATCGTCATAAAAACACAATCGGGAACGACAGTGGATCAT
 TTCCTGTAAACCGAGACGTTTTGCCAAATTTGAAGTCGAGCTCACTGCACCAGAGACAATAACCATTTG
 CGGACAGTCAATTTCAAATGGTTACATGTGCAAAGTACACCTATGGCCAGCCTGTGCAGGGAAAAGCCCA
 GATAAAAGTGTGCAGAGAGCTCTTCTCCCGGCACATTGTGAGAGCAATGAGAATGAAATCTGTGAGCAG
 TTCCTGTGCAGCTGAAAGATGGCTGTGCTTCTCACATTATCAACACAAAAGTCTCCAGTTGGACCGCT
 CTGGATTGTTTCATGACCTTGAATGTTAACGAAGTGGTTACAGAATCTGGAACAGGTGTGCAGATGAGTAA
 AACACACTCGGTTTTTATCACTTCCGTGCTTGGCACTGTGAGCTTCGAGAACATGGACCTTTTCTACAGG
 AGAGGGATCACTTATTTTGAACCTTAAATTTTCTGGTCCCAATAACACACCACTGGTGGACAACTTT
 TGCAACTGGAACCTGACGGCAAACCTGTAGGAAATTACACCACAGATGAGAACGGGGAAGCTCGATTTTC
 CATTAACACTTCAGAGATATTCCGGTGCACAGATTAGCTTGAAGGCCGTCTACGTCGGACCTAGAAGCTGC
 CATCGTTCAGCTGGCTGTCCCCTGAGTATTTGGACGCTTACTTCTCGGCCTCGCGCTTTTACTCCCAGA
 CCAGCAGCTTACGAAGATCATTCTCGAGCCCAAGCAGCTTCCGTGCGATCAAGAGAAGATGTTCTCAGT
 ACTTTACTCCCTAAACCCGAGGCTACAAGGAGGCTCAGATGTGACCTTCTTCTATTTGGTGATGGT



[View online >](#)

AGAGGAGGTATCTCCCGCAGCGGACAGAAGCAAGTCAGAGTTCAAGCCTGGAATGGGAACCTCTCTTTCC
 CAATCAGCATCAATGCTGATCTGGCGCCATCGGCTGACCTGTTCTGCTACACCCTCCACCCTAGCGGGGA
 AATCGTTGCGGATAATGTGAGGCTCCAGATCGAGAAGTGCTTTAAAAACAAGGTTAGCATAAACTTCTCA
 CGGGATAAGGATCTACCGGGCTTAACACCAGTGTTCATCTTCAAGCGGCCCTGACTCCTTCTGTGCC
 TGCGAGCAGTGGACAAAAGTGCCCTTCTACTGAACCACGGACAAGAAATGACACCTGAGAGCGTGTACTT
 CACACTCCCCTATATCCATCAATATGGCTATTTCTACAATGGCCTCAACTTGGATGATCAGCAAGCAGAA
 CCATGCATTCTCAGAAGGACTTATTCTACAATGGACTGTATTACACCTACAGGCAATTTTGGGATG
 GAGACCTCTAATCTTCTCAGTAACATGGGTCTGAAAACTTTTACAAATCTCCATTACCGGAAAACCGGA
 AGTGTGTTTCATCCAGGAAAACAGCCCTTGTGAGGACGTTTCGATCACCCAAATGAACGGATAATGATG
 TACGGTGGTGGCGCCACCTTCTTCTGCTTTTCATGACTCTGTGGACAGCATCAGCCATGCAAAAAGTG
 CCATCAAAGAGACAGTGGGACAAAACCTCCCGAGGACATGGATATGGAACCTTGTGAGTGTAGATTCCTC
 AGGCACAGCAAATGTCTCGTTCCTGGTCCCTGATACCATACCCAGTGGGAGGCCAGCGCCTTCTGTGTC
 AATGGCAATGCTGGGTTTGGCATTTCACCCAAAGTGTCCCTACAGATCTCCAGCCCTTCTTCTGGAAG
 TTACCTCACCTTTTCCGTTGTTTGAAGTGAACAGAGTGCATGGTTGCTACTGTCTTCACTACCTGAC
 TACATGTGTAGAGATTTCTGTTAGTGAAGCATCTGAGAATTATGAAGCAAGCATCAACACCCAGCGT
 AACACCGACAGTGAAGTCTCCAGGCTGGAGAACAGAAAACATATGTCTGGACCATTATTCTAAGACAC
 TGGGTAAGTAAATGTCAGTGTAGTGGCTACATCCAAACAGAGCAGGGCTTGCCCAAATGACGCCAGTAA
 GGAGCAAGATGTCCACTGGAAAGACACTGTCGTCAAACCATGCTGGTAGAGGCTGAAGGTATTGAAAA
 GAAGCAACTCAAAGTTTCTCATCTGTCCAAAAGTACCAAAGCCTCAAACAACACTTCTGGAATTGC
 CAAGCAATGTAGTAGAAGTTTCACTGATCTTTTGTCCACTTGTGGGGACATTCTGGGAGTGCAGT
 GCAGAACTGGAGAGCCTTCTCCAAATGCCCTATGGGTGTGGTGAACAGAACATTGCCAGCTAGCATCT
 GACGTTTACATACTGGACTACCTGAAAGTACCGACAGCTGACAGAAGAACTCAAATCTAAGGCTCAGC
 GCTCTTATCCAATGGTTACAAAATCACTTGTCTTTCAAAAACATGATGGGCTCCTACGATGTGTTCTG
 CCAGAGCAACCAGGAAGGAGCAGATGGCTCAGTGCCTTTCTTCAAGACAGTTGAGAAAATGAAGGAA
 TATATTTTCATCGAAGAGACAGTCCCAACAGACGTTAATCTGGCTTGTAAAGAAAACAGAAATCAAATG
 GATGCTTTAGAAGGGACGAGAAGCATGTCGACACGGCTCAGGAGGGCCGTGAGGGTGACCAGGAAGATAT
 TGCGCTCACTGCTACGTGCTCGGGGTGTTCTTGAAGTGGACTCAATGCCAGCTTCTGCTCCCGC
 AATGGTCTCTATTGCTGGAAGAGGCATTTTGAATGGTGTACCAATGGCTACACGCAAGCTATTCTGG
 CTTATGTATTTGATTAGCTGGGAAAGAACAGCAAGCGAAATCCTTACTCTCAATCTGGACAAATCTGC
 TACAAAAACAAATAATATGATATACTGGGAGAGAGATGAGAAACCCGAGACAGACAACCTCCATCATT
 ATTCCTTCGGCACTTTCTGGTGAGACAGAGAAGACGTGCTATGTGCTGCTGGCTGCTCTTCCAGGACA
 CTCAGGACCTTGATTATGCCAGCAAGATTGTGAGTGGCTTGCCAGCGGATGAACCTCCATGGAGGCTT
 CTCTGCCATGCAGGACACCACAGTGTGCCTTCTGCTCTAACCCAATACATGAAGTTAACCGGCTCTAAC
 CCTCAAACACCATCACGCTGAGCTCAGAGGAGTCTGAGGAGGTTTTCTATGTTAACAGAAATAAACGCC
 TTCTGGTCCAGCACTCAAAGTATCCAAAGGCCACCAACAATACACAGTGGATGTAGAAGGAGATGGATG
 CTCATTTATCCAGGCCACCTCAGGTACAACGTGCCACTTCTAAGGAGGCTCAGGATTTTCCCTTTCC
 GTGAAAACCTGGAAAAGCAACTCTCAGATGAATTCAGACCAAGTTTGAACCTCACGGTGACCCTCACCT
 ACCTGGAGCTCGTGAAGCTCAGTTACAGTCTTGTGGATGTGAAGATGCTCTCTGGCTTACTCCTGT
 CGTCTCATCCACCGAGGAGCTTAAATTCATAGTCAAGTAACGAAGACGGACATAAAGAATGGCCACGTT
 CTGTTCTACTTGGAAAATGTTCCCAAGGAAGCAACCAGCCTCACCTTCTCCATTGAACAACTAACCATG
 TGGCCAATATCCAGCCAGCCCGAGTACCGTCTACAGCTATGAAAAGGTGAATATGCTTTTGATTCTTA
 CAACATCAATAGCATTTTCGGATTCCCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR218078 representing NM_001001179
 Red=Cloning site Green=Tags(s)

```

MVPTILLSALLLHFTDVAAEPRYILWSSVVQRFSSSEKACLHLLNLSVLSVTLEYDGSSTTIFDQP
VDEGNFYACADFKVQSSEQLAFVALLVQNTLKIISERRSVAIAAEENATFVQTDTPVHKPGDTHVFRV
VTLNIWLKPVDDLPLITVQDPQSNVIFQWINVTFRNITQLSFQLTPEPILGDYITVIKIQSGTTVMDH
FTVNRDVLPKFEVELTAPETITIASDQFMVTCAYTYGQPVQGAQIKVCRELFSPAHCESNENEICEQ
FTVQLKDGASHIINTKVFQLDRSGLFMTLVNVEVVTESGTGVQMSKTHSVFITSVLGTVSFENMDPFYR
RGITYFGTLKFGSPNNTPLVDKLLQLELDGKPVGNYYTDENGEARFSINTSEIFGAQISLKAVYVPRSC
HRSSWLSPEYLDAYFSASRFYSQTSSTFKIILEPKQLPCDQEKMF SVLYSLNPEAYKEASDVTFYLV MV
GGISRSQGKQVRVQAWNGNFSFPI SINADLAPSADLFVYTLHPSGEIVADNVRLQIEKCFKNKVSINFS
RDKDLPGSNTSVHLQAAPDSFCALRAVDKSALLLNHGQEMTPESVYFTLPYIHQYGFYNGLNLDQQAQAE
PCIPQKDLFYNGLYYPTGNIWDGDL SNLLSNMGLKIFTNLHYRKPEVCSQENQPLLRFDHPNERIMM
YGGGAPSSAFHDSVDSISHAKVAIKETVRTNFPRTWIWNLVSVDSSTGANVSFLVPDITITQWEASAF CV
NGNAGFGISPKVSLQISQPF FVEVTS PFSVVRSEQSDMVVTVFNLYLTTTCVEISVQLEASENEYASINTQR
NTDSEVLQAGEQKTYVWTIIPKTLGKVNVTVVATSKQSRACPNDASKEQDVHWKDTVVKTM LVEAEGIEK
EATQSF LICPKGTKASKQTLLELPSNVVEGSVRSFVTIVGDILGVAMQNLESLLQMPYGCGEQNI AQLAS
DYYILDY LKATDQLTEELKSKAQRLLSNGYQNHLSFKNYDGSYDVFCQSNQEGSTWLSALSFKTVEKME
YIFIEETVPKQTLIWL VKKQKSNCGCFRRDEKHVDTAQEGREGDQEDIALAYVVGVFLEVGLNASFPALR
NGLYCLEEAFSNGVTNGYTQAILAYVVALAGKEQQAKSLLSILDKSATKTNNMIYWERDEKPE TDNSPSF
IPSALSGETEKT CYVLLAVLSQDTQDLDYASKIVQWLAQRMNSHGGFSAMQD TTVCLLAL TQYMKL TGSN
PQNTITLSSEESEEVFYVNRNKRLLVQHSKVS KGHQYTV DVEGDGCSF IQATLRYNVPLPKEASGFSLS
VKTGKSNS SDEFQTKFELTVTLTYTGARESSVTVLVDVKMLSGF TPVVSSTEELKFNVSQVTKTDIKNGHV
LFYLENVPKEATSLTFSIEQTNHVANIQPAPVTVYSYKEGEYAFDSYNINSISDSQ
  
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9098_g12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

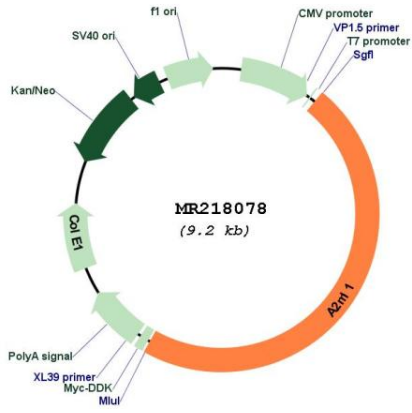


ACCN: NM_001001179

ORF Size: 4368 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:	<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_001001179.3 , NP_001001179.2
RefSeq Size:	4698 bp
RefSeq ORF:	4371 bp
Locus ID:	232400
UniProt ID:	Q3UU35
Cytogenetics:	6 F3
MW:	162.3 kDa
Gene Summary:	Is able to inhibit all four classes of proteinases by a unique 'trapping' mechanism. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218078