

Product datasheet for **MC224504**

A2ml1 (NM_001001179) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	A2ml1 (NM_001001179) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	A2ml1
Synonyms:	Ovos; Ovos2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224504 representing NM_001001179 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGCCTACCATCTTGCTCAGTGCCTCCTGCTTCATTTCACTGATGTTGTGGCTGCAGAACCGCGAT
ACATCCTGTGGGTTTCTCCGTGGTACAGCGATTTTCTCAGAAAAGCCTGTCTTCATCTTTAAACCT
CAACGAATCTGTGTCCTTGAGCGTCACCCTAGAATATGATGGATCCAGTACTACTATTTTGGACCAGCCC
GTGGACGAGGGGAACCTTCTACGCTTGTGCAGATTTCAAAGTGTCTCAGATGTCTCAGAGCAGTTGGCCT
TTGTGGCATTACTTGTTCAGGAAAACACTCTTAAAATCTCTGAGAGAAGATCTGTGGCCATCGCTGCTGA
GGAGAACGCCACTTTTGTGCAGACAGACACACCCGGTCCATAAACCTGGAGACACAGTTCACTTTCCGGTT
GTGACACTGAACATCTGGCTGAAGCCTGTTGATGACTTGTATCCCTTGTACCCGTTCCAGGATCCCCAAA
GCAATGTGATTTTTAGTGGATCAATGTGACCACTTTAGAAAACATTACCCAGCTCTCCTCCAAGTAC
GCCGGAACCAATATTGGGGGATTACACAATCGTCATAAAAACACAATCGGGAACGACAGTGGATCAT
TTCAGTCAATTTCAAATGGTTACATGTCAAAGTACCTATGGCCAGCCTGTGCAGGAAAAGCCCCA
GATAAAAGTGTGCAGAGAGCTTCTCCCGGCACATTGTGAGAGCAATGAGAATGAAATCTGTGAGCAG
TTCAGTGTGCAGCTGAAAGATGGCTGTGCTTCTCACATTATCAACACAAAAGTCTTCCAGTTGGACCGCT
CTGGATTGTTGACCTTGAATGTTAACGAAGTGGTTACAGAATCTGGAACAGGTGTGCAGATGAGTAA
AACACACTCGGTTTTTATCACTTCCGTGCTTGGCACTGTCAGCTTCGAGAACATGGACCCTTTCTACAGG
AGAGGGATCACTATTTTGAACCTTAAATTTTCTGGTCCCAATAACACACCACTGGTGGACAACTTT
TGCAACTGGAACGACGCGCAAACCTGTAGGAAATTACACCACAGATGAGAACGGGGAAGCTCGATTTTC
CATTAACTTCCAGATATTCCGTGCACAGATTAGCTTGAAGGCCGTCTACGTCGACCTAGAAGCTGC
CATCGTTCAGCTGGCTGTCCCCTGAGTATTTGGACGCTTACTTCTCGGCTCGGCTTTTACTCCAGA
CCAGCAGCTTACGAAGATCATTCTCGAGCCCAAGCAGCTTCCGTGCGATCAAGAGAAGATGTTCTCAGT
ACTTTACTCCCTAAACCCGAGGCTACAAGGAGGCTCAGATGTGACCTTCTTCTATTTGGTGTGGTG
AGAGGAGGTATCTCCCGCAGCGACAGAAGCAAGTCAAGCTTCAAGCCTGGAATGGGAACCTCTCTTTCC



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CAATCAGCATCAATGCTGATCTGGCGCCATCGGCTGACCTGTTCTACACCCTCCACCCTAGCGGGGA
AATCGTTGCGGATAATGTCAGGCTCCAGATCGAGAAGTGCTTTAAAAACAAGTTAGCATAAACTTCTCA
CGGGATAAGGATCTACCGGGCTCTAACACCAGTGTTCATCTTCAAGCGGCCCTGACTCCTTCTGTGCC
TGCGAGCAGTGGACAAAAGTGCCCTTCTACTGAACCACGGACAAGAAATGACACCTGAGAGCGTGTACTT
CACACTCCCGTATATCCATCAATATGGCTATTTCTACAATGGCCTCAACTGGATGATCAGCAAGCAGAA
CCATGCATTCTCAGAAGGACTTATTCTACAATGGACTGTATTATACACCTACAGGCAATATTTGGGATG
GAGACCTCTCAATCTTCTCAGTAACATGGGTCTGAAAATCTTTACAAATCTCCATTACCGGAAACCGGA
AGTGTGTTTCATCCAGGAAAACCGCCCTTGCTGAGGACGTTTCGATCACCCAAATGAACGGATAATGATG
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AGGCACAGCAAATGTCTCGTTTCTGGTCCCTGATACCATCACCCAGTGGGAGGCCAGCGCCTTCTGTGC
AATGGCAATGCTGGGTTTGGCATTTCACCCAAAGTGTCCCTACAGATCTCCAGCCCTTCTTCTGTGGAAG
TTACCTCACCTTTTCCGTTGTTTGAAGTGAACAGAGTGCATGGTTGTCACTGTCTTCACTACCTGAC
TACATGTGTAGAGATTTCTGTTTCAAGTGAACAGATCTGAGAATTATGAAGCAAGCATCAACACCCAGCGT
AACACCGACAGTGAAGTCTCCAGGCTGGAGAACAGAAAACATATGTCTGGACCATTATCTAAGACAC
TGGGTAAGTAAATGTCAGTGTAGTGGCTACATCCAAACAGAGCAGGGCTTGCCCAAATGACGCCAGTAA
GGAGCAAGATGTCCACTGAAAAGACACTGTCTGCAAAAACCATGCTGGTAGAGGCTGAAGGTATTGAAAA
GAAGCAACTCAAAGTTTCTCATCTGTCCAAAAGGTACCAAAGCCTCAAACAAACACTTCTGGAATTGC
CAAGCAATGTAGTAGAAGTTTCACTGAGATCTTTTGTCCACTTGTGGGGACATTCTGGGAGTCCGAAT
GCAGAACTGGAGAGCCTTCTCCAAATGCCCTATGGGTGTGGTGAACAGAAACATTGCCAGCTAGCATCT
GACGTTTACATACTGGACTACCTGAAAGCTACCGACCAGTGCAGAGAAGAACTCAAATCTAAGGCTCAGC
GTCTCTTATCCAATGGTTACCAAATCACTTGTCTTTCAAACACTATGATGGGTCCTACGATGTGTTCTG
CCAGAACACCAGGAAGGGAGCACATGGCTCAGTGCCTTTCTTTCAAGACAGTTGAGAAAAATGAAGGAA
TATATTTTCATCGAAGAGACAGTCCCAAACAGACGTTAATCTGGCTTGTAAAGAAAACAGAAATCAAATG
GATGCTTTAGAAGGGACGAGAAGCATGTGACACGGCTCAGGAGGGCCGTGAGGGTGACCAGGAAGATAT
TGCGCTCACTGCGTACGTCGTCGGGGTGTCTTGAAGTTGGACTCAATGCCAGCTTTCTGCCCTCCGC
AATGGTCTCTATTGCCTGGAAGAGGCATTTTGAATGGTGTACCAATGGCTACACGCAAGCTATTCTGG
CTTATGTATTTGCATTAGCTGGGAAAGAACAGCAAGCGAAATCCTTACTCTCAATCCTGGACAAATCTGC
TACAAAAACAAATAATATGATATACTGGGAGAGAGATGAGAAACCCGAGACAGACAACCTCCATCATT
ATTCCTTCGGCACTTTCTGGTGAACAGAGAAGACGTGCTATGTGCTGCTGGCTGTCTTTCCAGGACA
CTCAGGACCTTGATTATGCCAGCAAGATTGTGCAGTGGCTTGCCAGCGGATGAACCTCCATGGAGGCTT
CTCTGCCATGCAGGACCCACAGTGTGCCTTCTCGCTCTAACCCAATACATGAAGTTAACCGGCTTAAC
CCTCAAACACCATCACGCTGAGCTCAGAGGAGTCTGAGGAGGTTTTCTATGTTAACAGAAATAAACGCC
TTCTGGTCCAGCACTCAAAGTATCAAAGGCCACCAACAATACACAGTGGATGTAGAAGGAGATGGATG
CTCATTATCCAGGCCACCCTCAGGTACAACGTGCCACTTCTAAGGAGGCCCTCAGGATTTTCCCTTTCC
GTGAAAACCTGAAAAAGCAACTTTCAGATGAATTCAGACCAAGTTTGAACCTCACGGTGACCCCTCACCT
ACACTGGAGCTCGTGAAGCTCAGTTACAGTCTTGTGGATGTGAAGATGCTCTCTGGCTTTACTCCTGT
CGTCTCATCCACCGAGGAGCTTAAATTCATAGTCAAGTAACGAAGACGGACATAAAGAAATGGCCAGTT
CTGTTCTACTTGGAAAAATGTTCCAAGGAAGCAACCAGCCTCACCTTCTCCATTGAACAAACTAACCATG
TGGCCAATATCCAGCCAGCCCGAGTACCGTCTACAGCTATGAAAAAGGTGAATATGCTTTTGATTCTTA
CAACATCAATAGCATTTCGGATTCCCAATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001001179
Insert Size: 4371 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:	<u>NM_001001179.3</u> , <u>NP_001001179.2</u>
RefSeq Size:	4698 bp
RefSeq ORF:	4371 bp
Locus ID:	232400
UniProt ID:	<u>Q3UU35</u>
Cytogenetics:	6 F3
Gene Summary:	Is able to inhibit all four classes of proteinases by a unique 'trapping' mechanism. [UniProtKB/Swiss-Prot Function]