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Product datasheet for MC206178

A2m (BC072642) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	A2m (BC072642) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	A2m
Synonyms:	A2mp
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC072642

GATCTCTGGCGGGGAGCAGGGTGCAAGGCAGCCAGGTCTCCAGTCCTCTCTGCAGCATGGGGAAGCGCTG
GCTCCCAAGCCTGGCCCTGCTGCCGCTGCCGCCACCGCTGCTGCTGCTGCTGTTGCTGCTGCTGCCCACA
AATGCCTCAGCACCACAGAAACCAATCTACATGGTGATGGTTCCCTCCCTGCTCCACGCTGGCACCCCTG
AGAAGGGCTGCCTCCTGTTCAACCACCTAAACGAGACAGTAACAGTGAAAGTATCCATGGAGTCTGTCCG
TGGGAACCAAAGCCTCTTCACTGACCTTGTTGTTGACAAGGACTTATTCCACTGTGCCTCCTTCATCGTC
CCACAGTCTTCATCCAATGAGGTGATGTTTCTCACTGTCCAAGTAAAAGGACCAACTCATGAGTTCAGGA
GGAGGAGCACGGTGCTGATCAAGACTAAAGAGAGCCTGGTCTTTGCTCAGACTGACAAGCCCATCTACAA
ACCAGGACAGATGGTGAGATTTCGTGTTGTCTCATTGGACGAAAATTTCCACCCCCTTAATGAATTGATT
CCTCTACTGTACATTCAGGATTCAAAAAAAAATCGCATTGCACAGTGGCAGAATTTCCGCTTAGAGGGTG
GCCTCAAACAGCTGTCCTTCCCCCTCTCCTCAGAGCCCACTCAGGGCTCCTACAAGGTGGTGATACGTAC
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TGGTGAAGAATCGCTGGCTTTCTGTGAGAAATTCAGTCAACAGCTAGATGGCCGTGGCTGCTTCTCACAG
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CTGTAGCTCGACTGGTCCTTTATACCATTCTGCCCAATGGAGAAGTGGTTGGAGATACTGTTAAATATGA
GATTGAAAAGTGCCTGGCCAACAAGGTGGATTTGGTCTTCCACCCAAATATCGGTCTTCCGGCCACACGT

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GCCTTCCTCAGTGTCATGGCTTCTCCTCAGTCTCTCTGTGGCCTGCGAGCTGTGGACCAAAGCGTACTGC
TCACAAAGCCTGAGGCCGAACTCTCTGCATCCCTGGTTTATGATCTGCTACCAGTGAAAGACCTCACTGG
CTTCCCTAAGGGTGTGAATCAACAGGAAGAAGACACTAATGGCTGCCTTAAGCAAAATGACACTTACATT
AATGGAATCCTGTACTCCCCAGTACAGAATACAAATGAAGAGGACATGTATGGCTTCCTAAAGGATATGG
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CACTGGGTTGGGCCTCTCTCCTGTGATCGATTTCCAAGCCTTCCAGCCCTTCTTCGTGGATCTCACAATG
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ATTCAACAGTTTGCTTTGTCCAACAGGTGCTGAGGTATCGGAACAGATATCTCTGAAACTGCCATCAGAT
GTGGTAGAGGAATCTGCCCGAGCTTCTGTCACAGTTTTGGGAGATATATTGGGTTCTGCTATGCAGAACA
CACAGGATCTCCTTAAGATGCCCTATGGCTGTGGAGAACAGAACATGGTTCTGTTTGCTCCTAATATCTA
TGTCCTGGACTATCTGAATGAAACAGAGCAGCTGACACAGGAGATCAAGACCAAGGCCATTACCTATCTC
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CTTTTGCCTGGACACAGCCTGGAAGTCAGCGAGGAGAGGAGCCAGCGGCAACCATGTCTACACTAAGGCA
CTGTTGGCCTATGCATTTGCCCTTGCTGGTAACCAGGACACGAAGAAGGAGATACTGAAATCACTCGATG
AGGAGGCGGTAAAAGAAGACAATTCTGTCCACTGGACCAGAGCTCAGAAACCCAGAGTGCCAGCAGATCT
CTGGTACCAACCCCAGGCTCCCTCGGCTGAGGTAGAGATGACCGCTTATGTGCTCCTGGCTTATCTTACC
ACTGAGCTGGTTCCAACCCGAGAGGACCTGACTGCTGCAATGCTCATTGTGAAGTGGCTCACAAAGCAGC
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ACACCGCAAAGGTAGCTGGAGAAGGGTGTGTCTACCTCCAGACATCCTTGAAATATAGTGTTCTCCCGAG
GGAGAAGGAGTTTCCATTTGCTTTGGTGGTGCAGACTCTGCCTGGGACTTGTGAGGATCTCAAAGCTCAC
ACCACCTTCCAGATCTCACTCAATATCAGTTACATTGGAAGCCGTTCTGACTCCAACATGGCAATTGCTG
ATGTGAAGATGGTGTCTGGCTTCATCCCCTTGAAACCAACAGTGAAAATGCTTGAAAGATCTGTGCATGT
GAGCCGGACGGAAGTCAGCAATAACCATGTCTTGATTTACTTGGATAAGGTGTCAAATCAGATGCTGACC
TTGTTCTTCATGGTGCAGCAAGATATTCCAGTGAGAGACCTGAAGCCAGCCATAGTGAAAGTCTATGATT
ACTACGAGAAAGATGAGTTTGCAGTTGCAAAATACAGTGCTCCCTGCAGTGCAGGTTATGGAAATGCCTG
AAGACACTGTGAATAAGAAGTGTTTCACCAGAGCCCTGTTCTTAGGACTTCTCAAGAAAAAGTGGTTTTT
GTATTTCCAGAGATTTGATAAATAAAGCATTCTTTCATATCTATCAAAAAAAAAAAAAAAAAAAA

Restriction Sites: AscI-NotI

ACCN: BC072642

Insert Size: 4425 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:	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:	BC072642, AAH72642
RefSeq Size:	4615 bp
RefSeq ORF:	4425 bp
Locus ID:	232345
Cytogenetics:	6 57.49 cM
Gene Summary:	Is able to inhibit all four classes of proteinases by a unique 'trapping' mechanism. This protein has a peptide stretch, called the 'bait region' which contains specific cleavage sites for different proteinases. When a proteinase cleaves the bait region, a conformational change is induced in the protein which traps the proteinase. The entrapped enzyme remains active against low molecular weight substrates (activity against high molecular weight substrates is greatly reduced). Following cleavage in the bait region a thioester bond is hydrolyzed and mediates the covalent binding of the protein to the proteinase (By similarity). [UniProtKB/Swiss-Prot Function]