

Product datasheet for **MC229011**

Adam8 (NM_001291066) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adam8 (NM_001291066) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adam8
Synonyms:	ADAM 8; CD156; CD156a; E430039A18Rik; MS; MS2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC229011 representing NM_001291066
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTTGGCCTCTGGCTGCTCAGCGTCTTATGGACACCAGTAGCCCTGGACCTCCTTTGCCCATGTGA
 AACAGTATGAAGTGGTTTGGCCTCGGCGCTAGCTGCATCCCGCTCCCGCAGAGCCCTGCCCTCCACTG
 GGGCCAGTACCCAGAGAGTCTGAGCTATGCTCTTGGGACCAGCGGGCACGTTTTTACCCTGCACCTTCGA
 AAGAACAGGGACCTGCTGGGCTCAAGCTACACAGAGACCTACTCAGCTGCCAATGGCTCTGAGGTGACAG
 AGCAACTGCAGGAGCAGGACCATGCTCTACCAAGGCCATGTGGAAGGGTACGAGGGCTCAGCTGCCAG
 TATTAGCACCTGTGCTGGCCTCAGGGGCTTTTCCGAGTTGGGTCCACTGTCCACTTGATTGAGCCTCTG
 GATGCTGATGAAGAGGGGCAACATGCGATGTATCAGGCAAAGCATCTGCAACAGAAGGCTGGGACCTGTG
 GGGTCAAAGATACCAACCTGAATGACCTAGGGCCTCGGCATTAGAAATATACAGGGCTCAGCCACGGAA
 CTGGCTGATACCCAGAGAAACCCGCTATGTGGAGTTGTATGTGGTTGCAGACAGCCAAGAGTTCCAGAAG
 TTGGGGAGCAGAGAGCCGTGCGCCAGCGAGTGTGGAGTTGTAACCACGTGGACAAGCTTTATCAGG
 AACTCAGTTTTTCGAGTTGCTCTGGTGGGCTGGAGATCTGGAACAAGGACAAATTCTACATCAGCCGCTA
 TGCCAACGTGACACTGGAGAACTTCTTGTCTGGAGGGAACAGAATTGCAAGGGCAGCACCCACATGAC
 AACGTGCAACTTATCACGGGGTGTGATTCATTGGGAGCACTGTTGGACTGGTAAGGTGTCTGCCCTGT
 GTTCCCGTCACTCCGGAGCTGTGAATCAGGACCACTCCAAGAATCCATTGGTGTAGCCTCCACCATGGC
 CCATGAGCTGGCCACAACCTGGCATGAGCCATGATGAGGACATTCCAGGATGCTACTGTCTGAACCA
 CGGGAGGGTGGTGGCTGCATCATGACCGAAAGCATCGGCTCCAAGTTCCCAGGATATTCAGCAGGTGTA
 CAAAGATTGACCTAGAGTCATTCGTGACAAAACCCAGACAGGCTGCCTGACCAATGTTCCAGATGTCAA
 CCGGTTGCGTGGTGGCCCTGTGTGTGAAACCTGTTTGTGGAGCATGGAGAGCAGTGTGACTGTGGCACA
 CCTCAGGACTGTCAAACCCCTGCTGCAATGCCACCACTTGCCAGCTGGTCAAGGGGCGAGAGTGTGCCA
 GTGGTACCTGTTGTATGAATGCAAGGTGAAGCCAGCTGGAGAGGTGTGTCGTCAGTAAGGACAAATG
 TGACCTGGAGGAGTTCTGTGATGGCCGGAAGCCAACATGTCCCGAAGATGCCTTCCAACAGAATGGCACT
 CCCTGCCAGGGGCTACTGCTTTGATGGGAGCTGTCCACCCCTGGCACAGCAGTCCCGGGATCTGTGGG
 GGCCAGGTGCTCGGGTAGCAGCCGACTCCTGCTATACCTTTAGCATCCCTCCGGGCTGCAATGGGAGGAT
 GTACTCTGGCAGGATCAACCGGTGTGGAGCGCTGTACTGTGAGGGAGGCCAGAAGCCCTTGAACGCTCC
 TTCTGCACTTTCTCCTCCAACCATGGAGTCTGCCATGCTCTTGGCACAGGCAGCAACATTGACACCTTTG
 AGCTGGTATTGCAGGGCACCAAGTGCAGAGGGGAAAGGTTTGCATGGATGGAAGCTGCCAGGACCTCCG
 TGTATACAGATCTGAAAACCTGCTCTGCTAAATGCAACAACCATGGGGTATGCAACCACAAGAGGGAGTGC
 CACTGTACAAGGGCTGGGCACCACCAACTGTGTACAGCGGCTGGCAGATGTATCAGATGAACAAGCAG
 CGTCTACGAGCCTCCAGTCAAGTGTGGTTGTGGTCTTGGTGTATCCTGGTGGCTGCGATGGTATCGTGGC
 AGGCATCGTCATCTACGAAAGGCTCCGAGACAAATCCAGAGGAGGAGTGTGGCACCCAAGCCTATCTCG
 GGGCTCTCCAACCCCTATTCTACACAAGGGACAGCAGCCTGCCAGCTAAGAACAGGCCTCCAGACCCCT
 CTGAGACAGTTTCTACCAACCAGCCCCAAGACCCATAGTGAAACCAAGAGGCCCTCCCCCTGCACCTCC
 AGGTGCTGTGCCAGTTCACCACTCCAGTTCCTGTTTATGCCCAAAGATACCAAATCAGTTTAGACCT
 GATCCTCCCAACCAAGCCCTCCAGAGCTGAAACCAAGCAGGTCAAGCCAACCTTTGCACCCCGACAC
 CACCAGTCAAGCCCGGGACTGGAGGACGGTGCCTGGAGCAACTCAGGGAGCTGGTGGAGCCAAAGGTTGC
 TCTGAAGGTCCCATCCAGAAGAGGTGA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001291066
Insert Size: 2478 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001291066.2, NP_001277995.1</u>
RefSeq Size:	3114 bp
RefSeq ORF:	2478 bp
Locus ID:	11501
Cytogenetics:	7 F4
Gene Summary:	<p>This gene encodes a member of the Adam family of proteins that contain the disintegrin and metalloprotease domains. The encoded protein is localized to the cell surface, where it is involved in the remodeling of extracellular matrix and cell migration. Mice lacking the encoded protein display persistent inflammation upon treatment with allergens. Alternative splicing of this gene results in multiple variants. [provided by RefSeq, Mar 2015]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice acceptor site compared to variant 1. It encodes a protein (isoform 2) that is slightly shorter than isoform 1.</p>