

Product datasheet for **MR210842**

Adam8 (NM_007403) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adam8 (NM_007403) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adam8
Synonyms:	ADAM 8; CD156; CD156a; E430039A18Rik; MS; MS2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR210842 representing NM_007403
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTTGGCCTCTGGCTGCTCAGCGTCTTATGGACACCAGCAGTAGCCCTGGACCTCCTTTGCCCATG
 TGAACAGTATGAAGTGGTTTGGCTCGGCGCCTAGCTGCATCCCCTCCCGCAGAGCCCTGCCCTCCA
 CTGGGGCCAGTACCCAGAGAGTCTGAGCTATGCTCTTGGGACCAGCGGGCACGTTTTCCACCTGCACCTT
 CGAAAGAACAGGGACCTGCTGGGCTCAAGCTACACAGAGACCTACTCAGCTGCCAATGGCTCTGAGGTGA
 CAGAGCAACTGCAGGAGCAGGACCATTGCCTCTACCAAGGCCATGTGGAAGGGTACGAGGGCTCAGCTGC
 CAGTATTAGCACCTGTGCTGGCCTCAGGGGCTTTTTCCGAGTTGGGTCCACTGTCCACTTGATTGAGCCT
 CTGGATGCTGATGAAGAGGGCAACATGCGATGTATCAGGCAAAGCATCTGCAACAGAAGGCTGGGACCT
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 GAACTGGCTGATACCCAGAGAAACCCGCTATGTGGAGTTGTATGTGGTTGCAGACAGCCAAGAGTCCAG
 AAGTTGGGGAGCAGAGAGGCCGTGCGCCAGCGAGTGTGGAGTTGTAACCACCTGGACAAGCTTTATC
 AGGAACTCAGTTTTCGAGTTGTCCTGGTGGCCTGGAGATCTGGAACAAGGACAAATTCTACATCAGCCG
 CTATGCCAACGTGACACTGGAGAATTCTTGTCTGGAGGGAACAGAATTGCAAGGGCAGCACCCACAT
 GACAACGTGCAACTATCACGGGGTGGATTTCATTGGGAGCACTGTTGGACTGGCTAAGGTGTCTGCC
 TGTGTTCCCGTCACTCCGGAGCTGTGAATCAGGACCACTCCAAGAATCCATTGGTGTAGCTCCACCAT
 GGCCCATGAGCTGGGCCACAACCTGGGCATGAGCCATGATGAGGACATCCAGGATGCTACTGTCTGAA
 CCACGGGAGGGTGGTGGCTGCATCATGACCGAAAGCATCGGCTCCAAGTCCCCAGGATATTCAGCAGGT
 GTAGCAAGATTGACCTAGAGTCATTCTGTGACAAAACCCAGACAGGCTGCCTGACCAATGTTCCAGATGT
 CAACCGTTTCGTGGGTGGCCCTGTGTGTGAAACCTGTTTGTGGAGCATGGAGAGCAGTGTGACTGTGGC
 ACACCTCAGGACTGTCAAACCCCTGCTGCAATGCCACCCTTGGCAGCTGGTCAAGGGGCAGAGTGTG
 CCAGTGGTACCTGTTGTATGAATGCAAGGTGAAGCCAGCTGGAGAGGTGTCTGCTCAGTAAGGACAA
 ATGTGACCTGGAGGAGTCTGTGATGGCCGAAGCCAACATGTCCCGAAGATGCCTTCCAACAGAATGGC
 ACTCCCTGCCAGGGGCTACTGCTTTGATGGGAGCTGTCCACCCTGGCACAGCAGTCCCGGGATCTGT
 GGGGGCCAGGTGCTCGGGTAGCAGCCGACTCCTGCTATACCTTTAGCATCCCTCCGGGCTGCAATGGGAG
 GATGTACTCTGGCAGGATCAACCGGTGTGGAGCGCTGTACTGTGAGGGAGGCCAGAAGCCCTTGAACGC
 TCCTTCTGCACCTTCTCCTCCAACCATGGAGTCTGCCATGCTCTTGGCACAGGCAGCAACATTGACACCT
 TTGAGCTGGTATTGCAGGGCACCAAGTGCAGGAGGGAAAGGTTTGCATGGATGGAAGCTGCCAGGACCT
 CCGTGTATACAGATCTGAAAACCTGCTCTGCTAAATGCAACAACCATGGGGTATGCAACCACAAGAGGGAG
 TGCCACTGTACAAAGGGCTGGGCACCACCAACTGTGTACAGCGGCTGGCAGATGTATCAGATGAACAAG
 CAGCGTCTACGAGCCTCCAGTCAGTGTGGTGTGGTCTTGGTGTCTGGTGGCTGCGATGGTCATCGT
 GGCAGGCATCGTCATCTACCGAAAGGCTCCGAGACAAATCCAGAGGAGGAGTGTGGCACCCAAGCCATC
 TCGGGGCTCTCAACCCCTATTCTACACAAGGGACAGCAGCCTGCCAGCTAAGAACAGGCCTCCAGACC
 CTTCTGAGACAGTTTCTACCAACCAGCCCCAAGACCCATAGTGAACCAAGAGGCCTCCCCCTGCACC
 TCCAGGTGCTGTGTCAGTTCACCACTCCAGTTCCTGTTTATGCCCAAAGATACCAAATCAGTTTAGA
 CCTGATCCTCCCAAGCCCTCCAGAGCTGAAACCAAGCAGGTCAAGCCAACCTTTGCACCCCGA
 CACCACAGTCAAGCCGGGACTGGAGGACGGTGCCTGGAGCAACTCAGGGAGCTGGTGTAGCCAAGGT
 TGCTCTGAAGGTCCCATCCAGAAGAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210842 representing NM_007403
Red=Cloning site Green=Tags(s)

MLGLWLLSVLWTPAVAPGPPLPHVKQYEVVWPRRLAASRSRRALPSHWGQYPELSYALGTSGHVFTLHL
RKNRDLLGSSYTETYSANGSEVTEQLQEQDHCLYQGHVEGYEGSAASISTCAGLRGFFRVGSTVHLIEP
LDADEEGQHAMYQAKHLQKAGTCGVKDTNLDLGPRALEIYRAQPRNWLIPRETRYVELYVVADSQEFQ
KLGSRQAVRQVLEVVNHVDKLYQELSFRVVLVGLIWNKDKFYISRYANVTLENFLSWREQNLQGQHPH
DNVQLITGVDFIGSTVGLAKVSALCSRHS GAVNQDHSKNSIGVASTMAHELGHNLGMSHDEDIPGCYCFE
PREGGGCMTESIGSKFPRIFSRCSKIDLESFVTKPQTGCLTNVPDYNRFVGGPVCGNLFVEHGEQCDCG
TPQDCQNPCNATTCQLVKGAEASGTCHECKVKPAGEVCRLSKDKCDLEEFCDGRKPTCPEDAFQQNG
TPCPGGYCFDGSCTLAQQCRDLWGPGRVAADSCYTFIIPPGCNGRMYSGRINRCGALYCEGGQKPLER
SFCTFSSNHGVCHALGTGSNIDTFELVLQGTKCEEKVCMDGSCQDLRVYRSENC SAKCNNHGVCNHNKRE
CHCHKGWAPPNCVQRLADVSDEQAASLTPVSVVVVLVILVAAMVIVAGI VIYRKAPRQIQRRSVAPKPI
SGLSNPLFYTRDSSLPAKNRPPDPSETVSTNQPPRP IVKPKRPPAPPGAVSSSPLVPVYAPKIPNQFR
PDPPTKPLPELKPQVKTFAPTPPVKPGTGGTVPGATQGAGEPKVALKVPIQKR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9012_h09.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_007403

ORF Size: 2478 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:

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_007403.3](#)

RefSeq Size: 3034 bp

RefSeq ORF: 2481 bp

Locus ID: 11501

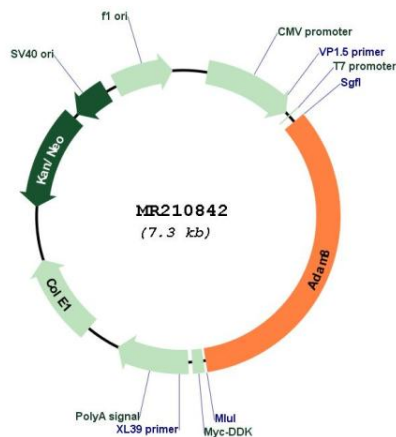
UniProt ID: [Q05910](#)

Cytogenetics: 7 F4

MW: 90.5 kDa

Gene Summary: 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]

Product images:



Circular map for MR210842