OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC220732

ADAM33 (NM_025220) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM33 (NM_025220) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ADAM33
Synonyms:	C20orf153; DJ964F7.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC220732 representing NM_025220
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCTGGAGGCCCCGGAGAGCTCGGGGGACCCCGTTGCTGCTGCTGCTACTACTGCTGCTGCTCTGGC
CAGTGCCAGGCGCCGGGGTGCTTCAAGGACATATCCCTGGGCAGCCAGTCACCCCGCACTGGGTCCTGGA
TGGACAACCCTGGCGCACCGTCAGCCTGGAGGAGCCGGTCTCGAAGCCAGACATGGGGCTGGTGGCCCTG
GAGGCTGAAGGCCAGGAGCTCCTGCTTGAGCTGGAGAAGAACCACAGGCTGCTGGCCCCAGGATACATAG
AAACCCACTACGGCCCAGATGGGCAGCCAGTGGTGCTGGCCCCCAACCACACGGATCATTGCCACTACCA
AGGGCGAGTAAGGGGCTTCCCCGACTCCTGGGTAGTCCTCTGCACCTGCTCTGGGATGAGTGGCCTGATC
ACCCTCAGCAGGAATGCCAGCTATTATCTGCGTCCCTGGCCACCCCGGGGCTCCAAGGACTTCTCAACCC
ACGAGATCTTTCGGATGGAGCAGCTGCTCACCTGGAAAGGAACCTGTGGCCACAGGGATCCTGGGAACAA
AGCGGGCATGACCAGCCTTCCTGGTGGTCCCCAGAGCAGGGGCAGGCGAGAAGCGCGCAGGACCCGGAAG
TACCTGGAACTGTACATTGTGGCAGACCACACCCTGTTCTTGACTCGGCACCGAAACTTGAACCACACCA
AACAGCGTCTCCTGGAAGTCGCCAACTACGTGGACCAGCTTCTCAGGACTCTGGACATTCAGGTGGCGCT
GACCGGCCTGGAGGTGTGGACCGAGCGGGACCGCAGCCGCGTCACGCAGGACGCCAACGCCACGCTCTGG
GCCTTCCTGCAGTGGCGCCGGGGGCTGTGGGCGCAGCGGCCCCACGACTCCGCGCAGCTGCTCACGGGCC
GCGCCTTCCAGGGCGCCACAGTGGGCCTGGCGCCCGTCGAGGGCATGTGCCGCGCCGAGAGCTCGGGAGG
CGTGAGCACGGACCACTCGGAGCTCCCCATCGGCGCCGCAGCCACCATGGCCCATGAGATCGGCCACAGC
CTCGGCCTCAGCCACGACCCCGACGGCTGCTGCGTGGAGGCTGCGGCCGAGTCCGGAGGCTGCGTCATGG
CTGCGGCCACCGGGCACCCGTTTCCGCGCGTGTTCAGCGCCTGCAGCCGCCGCCAGCTGCGCGCCTTCTT
CCGCAAGGGGGGCGGCGCTTGCCTCTCCAATGCCCCGGACCCCGGACTCCCGGTGCCGCCGGCGCTCTGC
GGGAACGGCTTCGTGGAAGCGGGCGAGGAGTGTGACTGCGGCCCTGGCCAGGAGTGCCGCGACCTCTGCT
GCTTTGCTCACAACTGCTCGCTGCGCCCGGGGGCCCAGTGCGCCCACGGGGACTGCTGCGTGCGCTGCCT
GCTGAAGCCGGCTGGAGCGCTGTGCCGCCAGGCCATGGGTGACTGTGACCTCCCTGAGTTTTGCACGGGC
ACCTCCTCCCACTGTCCCCCAGACGTTTACCTACTGGACGGCTCACCCTGTGCCAGGGGCAGTGGCTACT
GCTGGGATGGCGCATGTCCCACGCTGGAGCAGCAGTGCCAGCAGCTCTGGGGGCCTGGCTCCCACCCAGC
TCCCGAGGCCTGTTTCCAGGTGGTGAACTCTGCGGGAGATGCTCATGGAAACTGCGGCCAGGACAGCGAG
GGCCACTTCCTGCCCTGTGCAGGGAGGGATGCCCTGTGTGGGAAGCTGCAGTGCCAGGGTGGAAAGCCCA
GCCTGCTCGCACCGCACATGGTGCCAGTGGACTCTACCGTTCACCTAGATGGCCAGGAAGTGACTTGTCG
GGGAGCCTTGGCACTCCCCAGTGCCCAGCTGGACCTGCTTGGCCTGGGCCTGGTAGAGCCAGGCACCCAG
TGTGGACCTAGAATGGTGTGCCAGAGCAGGCGCTGCAGGAAGAATGCCTTCCAGGAGCTTCAGCGCTGCC
TGACTGCCTGCCACAGCCACGGGGTTTGCAATAGCAACCATAACTGCCACTGTGCTCCAGGCTGGGCTCC
ACCCTTCTGTGACAAGCCAGGCTTTGGTGGCAGCATGGACAGTGGCCCTGTGCAGGCTGAAAACCATGAC
ACCTTCCTGCTGGCCATGCTCCTCAGCGTCCTGCTGCCTCTGCTCCCAGGGGCCGGCCTGGCCTGGTGTT
GCTACCGACTCCCAGGAGCCCATCTGCAGCGATGCAGCTGGGGCTGCAGAAGGGACCCTGCGTGCAGTGG
CCCCAAAGATGGCCCACACAGGGACCACCCCCTGGGCGGCGTTCACCCCATGGAGTTGGGCCCCACAGCC
ACTGGACAGCCCTGGCCCCTGGACCCTGAGAACTCTCATGAGCCCAGCAGCCACCCTGAGAAGCCTCTGC
CAGCAGTCTCGCCTGACCCCCAAGCAGATCAAGTCCAGATGCCAAGATCCTGCCTCTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC220732 representing NM_025220
Red=Cloning site Green=Tags(s)

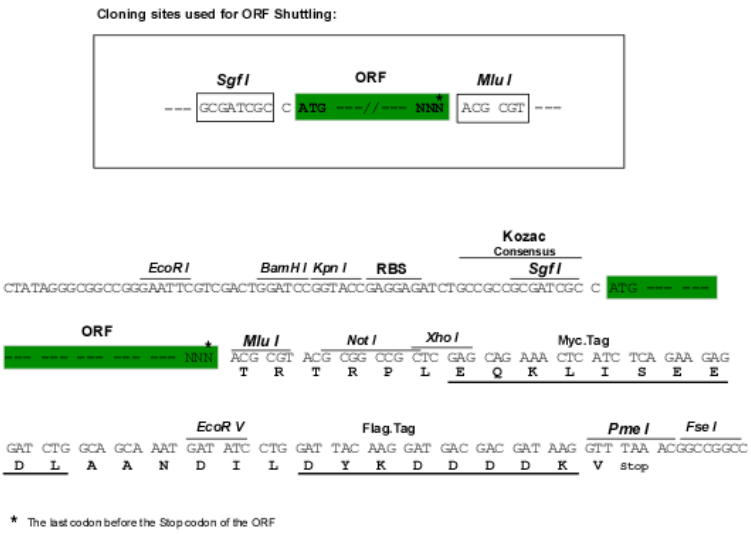
MGWRPRRARGTPLLLLLLLLLLWPVPGAGVLQGHIPGQPVTPHWVLDGQPWRTVSLEEPVSKPDMGLVAL
EAEGQELLLELEKNHRLLAPGYIETHYGPDGQPVVLAPNHTDHCHYQGRVRGFPDSWVVLCTCSGMSGLI
TLSRNASYYLRPWPPRGSKDFSTHEIFRMEQLLTWKGTCGHRDPGNKAGMTSLPGGPQSRGRREARRTRK
YLELYIVADHTLFLTRHRNLNHTKQRLLEVANYVDQLLRTLDIQVALTGLEVWTERDRSRVTQDANATLW
AFLQWRRGLWAQRPHDSAQLLTGRAFQGATVGLAPVEGMCRAESSGGVSTDHSELPIGAAATMAHEIGHS
LGLSHDPDGCCVEAAAESGGCVMAAATGHPFPRVFSACSRRQLRAFFRKGGGACLSNAPDPGLPVPPALC
GNGFVEAGEECDCGPGQECRDLCCFAHNCSLRPGAQCAHGDCCVRCLLKPAGALCRQAMGDCDLPEFCTG
TSSHCPPDVYLLDGSPCARGSGYCWDGACPTLEQQCQQLWGPGSHPAPEACFQVVNSAGDAHGNCGQDSE
GHFLPCAGRDALCGKLQCQGGKPSLLAPHMVPVDSTVHLDGQEVTCRGALALPSAQLDLLGLGLVEPGTQ
CGPRMVCQSRRCRKNAFQELQRCLTACHSHGVCNSNHNCHCAPGWAPPFCDKPGFGGSMDSGPVQAENHD
TFLLAMLLSVLLPLLPGAGLAWCCYRLPGAHLQRCSWGCRRDPACSGPKDGPHRDHPLGGVHPMELGPTA
TGQPWPLDPENSHEPSSHPEKPLPAVSPDPQADQVQMPRSCLW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg3610_f01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_025220
ORF Size:	2439 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_025220.5

RefSeq Size: 3594 bp

RefSeq ORF: 2442 bp

Locus ID: 80332

UniProt ID: Q9BZ11

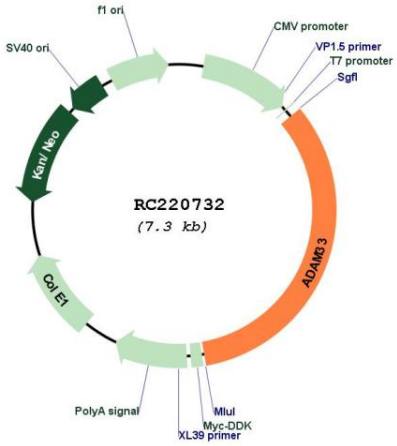
Cytogenetics: 20p13

Protein Families: Druggable Genome, Protease, Transmembrane

MW: 84.5 kDa

Gene Summary: This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. This protein is a type I transmembrane protein implicated in asthma and bronchial hyperresponsiveness. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2013]

Product images:



Circular map for RC220732