

Product datasheet for **RC220930**

ADAM33 (NM_153202) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM33 (NM_153202) 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)



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ORF Nucleotide
Sequence:

>RC220930 representing NM_153202
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGCTGGAGGCCCGGAGAGCTCGGGGACCCGTTGCTGCTGCTACTACTGCTGCTGCTCTGGC
CAGTGCCAGGCGCGGGGTGCTTCAAGGACATATCCCTGGGCAGCCAGTACCCCGCACTGGGTCCTGGA
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GAGGCTGAAGGCCAGGAGCTCCTGCTTGAAGTGGAGAAGAACCACAGGCTGCTGGCCCCAGGATACATAG
AAACCCACTACGGCCAGATGGGCAGCCAGTGGTCTGGCCCCAACACACGGATCATTGCCACTACCA
AGGGCGAGTAAGGGGCTCCCGACTCCTGGGTAGTCTCTGCACCTGCTCTGGGATGAGTGGCCTGATC
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AACAGCGTCTCCTGGAAGTCGCCAACTACGTGGACCAGCTTCTCAGGACTCTGGACATTCAGGTGGCGCT
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CTCGGCCCTCAGCCAGACCCCGACGGCTGCTGCGTGGAGGCTGCGGCCGAGTCCGGAGGCTGCGTCATGT
TGGCGCCACCGGGCACCCGTTTCCGCGGTGTTTCAGCGCTGCAGCCCGCCGACTCCCGGTGCCCGCGCTCTTC
CCGCAAGGGGGCGCGCTTGCCTCTCCAATGCCCGGACCCCGACTCCCGGTGCCCGCGCGCTCTGC
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GCCCTGGCCCCTGAGCCCTGAGAACTCTCATGAGCCCAGCAGCCACCTGAGAAGCCTCTGCCAGCAGTC
TCGCTGACCCCCAAGCAGATCAAGTCCAGATGCCAAGATCCTGCCTCTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC220930 representing NM_153202
 Red=Cloning site Green=Tags(s)

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MGWRPRRARGTPLLLLLLLLLLWPVPGAGVLQGHIPGQPVTPHWVLDGQPWRTVSLEEPVSKPDMGLVAL
EAEGQELLLLEKHNHLLAPGYIETHYGPDGQPVVLAPNHTDHCHYQGRVRFDPDSWVVLCTCSGMSGLI
TL SRNASYYLRPWPPRGSKDFSTHEIFRMEQLL TWKGTGHRDPGNKAGMTSLPGGPQSRGRREARRTRK
YLELYIVADHTLFLTRHRNLNHTKQRLLEVANYVDQLLRTLDIQVALTGLEWTERDRSRVTQDANATLW
AFLQWRRGLWAQRPHDSAQLLTGRAFGATVGLAPVEGMCRAESSGGVSTDHSELPIGAAATMAHEIGHS
LGLSHDPDGCCVEAAAESGGCVMAAATGHPFPRVFSACSRRLRAFFRKGGAACLSNAPDPGLPVPPALC
GNGFVEAGEECDGPGQECRDLCCFAHNCSLRPGAQCAHGDCCVRCLLKPAGALCRQAMGDCDLPEFCTG
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GHFLPCAGRDALCGKLCQGGKPSLLAPHMVPVDSTVHLDGQEVTCRGALALPSAQLDLLGLGLEPGTQ
CGPRMVCNSHNCHCAPGWAPPFCDKPGFGGMSDGPVQAENHDTFLLAMLLSVLLPLLPAGLAWCCYR
LPGAHLQRCSWGCRRDPACSGPKDGP HRDHLGGVHPMELGPTATGQPWPLDPENSHEPSSHPEKPLPAV
SPDPQADQVQMPRSCLW
  
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_153202

ORF Size: 2361 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_153202.4](#)

RefSeq Size: 3516 bp

RefSeq ORF: 2364 bp

Locus ID: 80332

UniProt ID: [Q9BZ11](#)

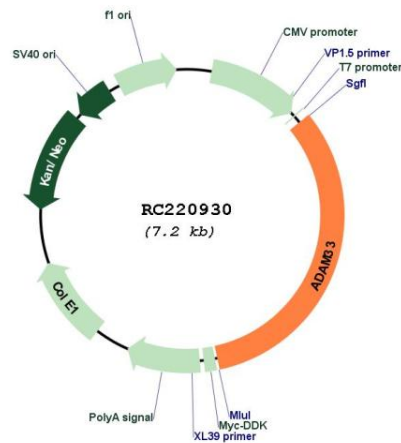
Cytogenetics: 20p13

Protein Families: Druggable Genome, Protease, Transmembrane

MW: 81.5 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 RC220930