

## Product datasheet for **RC228563**

### ADAM8 (NM\_001164490) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM8 (NM_001164490) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ADAM8
Synonyms:	CD156; CD156a; MS2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide  
Sequence:

>RC228563 representing NM\_001164490  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCGCGGCTCGGGCTCTGGCTGCTGGGCGCGATGATGTGCCTGGGCTGCACCCAGAGAGGGTGAAG  
TACGTCCTTGGGGCCACAGGGCACAACTTCACCTCCACCTGCGGAAGAACAGGGACCTGCTGGGCTCCG  
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AGCAAGGAGCCGGAGCTCCACAGCACCC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
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**Protein Sequence:** >RC228563 representing NM\_001164490  
 Red=Cloning site Green=Tags(s)

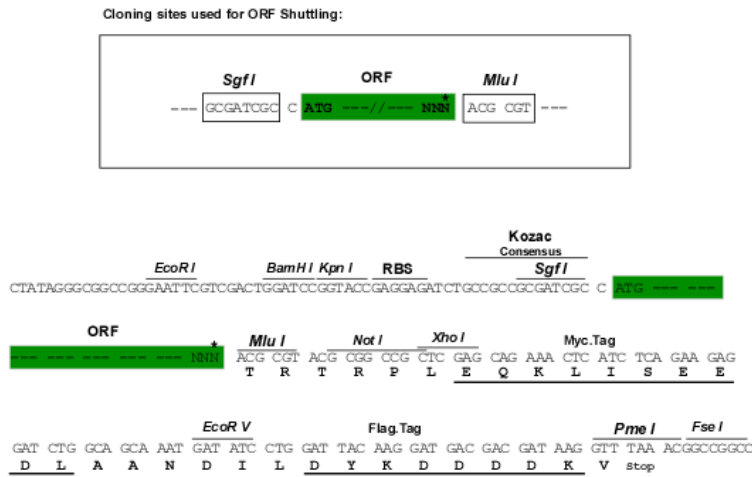
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 EIWNSQDRFHVSPDP SVTLENLLTWQARQTRRHLDHNVQLITGVDFGTTVGFARVSAMCSHSSGAVNQ  
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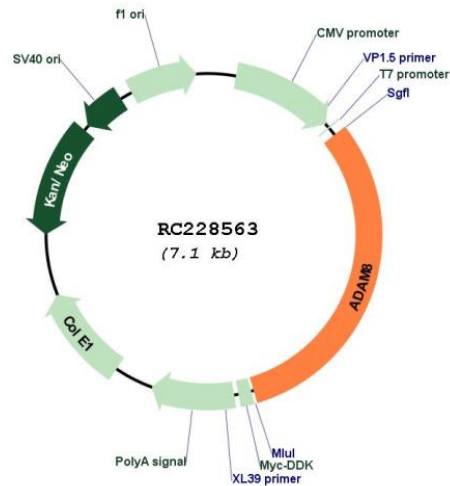
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**


**ACCN:** NM\_001164490

**ORF Size:** 2199 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\\_001164490.2](#)

**RefSeq ORF:** 2202 bp

**Locus ID:** 101

**UniProt ID:** [P78325](#)

**Cytogenetics:** 10q26.3

**Protein Families:** Druggable Genome, Transmembrane

**MW:** 78.7 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. The protein encoded by this gene may be involved in cell adhesion during neurodegeneration, and it is thought to be a target for allergic respiratory diseases, including asthma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2009]