

## Product datasheet for **RG215635**

### ADRM1 (NM\_007002) Human Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | ADRM1 (NM_007002) Human Tagged ORF Clone                                    |
| Tag:                      | TurboGFP  |
| Symbol:                   | ADRM1   |
| Synonyms:                 | ARM-1; ARM1; GP110; PSMD16  |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-AC-GFP (PS100010)   |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| ORF Nucleotide Sequence:  | >RG215635 representing NM_007002<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACGACCTCAGGCGCGCTCTTTCCAAGCCTGGTGCCAGGCTCTCGGGGCGCCTCCAACAAGTACTTGG  
TGGAGTTTCGGGCGGAAAGATGTCCTGAAGGGGACCACCGTGACTCCGGATAAGCGGAAAGGGCTGGT  
GTACATTCAGCAGACGGACGACTCGTTATTCACTTCTGCTGGAAGGACAGGACGTCGGGAACGTGGAA  
GACGACTTGATCATCTTCCCTGACGACTGTGAGTTCAAGCGGGTGCCGAGTGCCCCAGCGGGAGGGTCT  
ACGTGCTGAAGTTCAAGGAGGGTCCAAGCGGCTTTTCTTCTGGATGCAGGAACCAAGACAGACCAGGA  
TGAGGAGCATTGCCGAAAGTCAACGAGTATCTGAACAACCCCGATGCCTGGGGCGCTGGGGCCAGC  
GGAAGCAGCGGCCACGAACCTCTCTGCGCTAGGCGGTGAGGGTGGCCTGCAGAGCCTGCTGGGAAACATGA  
GCCACAGCCAGCTCATGCAGCTCATCGGACCAGCCGGCCTCGGAGGACTGGGTGGGCTGGGGGCCCTGAC  
TGGACCTGGCCTGGCCAGCTTACTGGGGAGCAGTGGGCCCTCCAGGGAGCAGCTCCTCCTCCAGCTCCCGG  
AGCCAGTGGCAGCGGTACCCCGTATCCACCACCTCTTCCACCCGTGCCACCCAGCCCTTCTGCTC  
CAGCAGCTGCCTCAGCAACTAGCCCGAGCCCGCGCCAGTTCGGGAATGGAGCCAGCACAGCAGCCAG  
CCCAGCCAGCCCATCCAGCTGAGCGACCTCCAGAGCATCCTGGCCACGATGAACGTACCAGCCGGGCCA  
GCAGGCGGCCAGCAAGTGGACCTGGCCAGTGTGCTGACGCGGAGATAATGGCTCCCATCCTCGCCAAGC  
CGGATGTCCAGGAGCGCCTGCTTCCCTACTTGCCATCTGGGGAGTCGCTGCCGCAGACCCGGATGAGAT  
CCAGAATACCCTGACCTCGCCCCAGTTCAGCAGGCCCTGGGCATGTTTCAGCGCAGCCTTGGCCTCGGGG  
CAGCTGGGCCCTCATGTGCCAGTTTCGGTCTGCCTGCAGAGGCTGTGGAGGCCGCAACAAGGGCGATG  
TGAAGCGTTTGCCAAAGCCATGCAGAACAACGCCAAGCCGAGCAGAAAGAGGGCGACACGAAGGACAA  
GAAGGACGAAGAGGAGGACATGAGCCTGGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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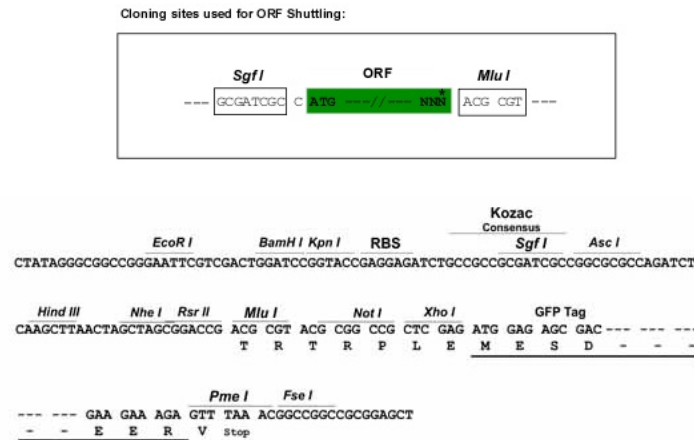
**Protein Sequence:** >RG215635 representing NM\_007002  
 Red=Cloning site Green=Tags(s)

MTTSGALFPSLVPGSRGASNKYLVEFRAGKMSLKGTTPDKRKL VYIQQTDDSLIHFCWKDRTSGNVE  
 DDLIIIFPDDCEFKRVPQCPSGRVYVLFKAGSKRLLFFWMQEPKTDQDEEHCVRKVEYLNPPMPGALGAS  
 GSSGHEL SALGGEGGLQSLGNMHSQMLQLIGPAGLGGLGGLGALTGPGLASLLGSSGPPGSSSSSSSR  
 SQSAAVTPSSTTSSTRATPAPSAPAAASATSPSPAPSSGNGASTAASPTQPIQLSDLQSILATMNV PAGP  
 AGGQQVDLAVL TPEIMAPILANADVQERLLPYLPSGESLPQTADEIQNTLTSPQFQQALGMFSAALASG  
 QLGPLMCQFGLPAEAVEAANKGDVEAF AKAMQNNAKPEQKEGDTKDKKDEEEDMSLD

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_007002

**ORF Size:** 1221 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\\_007002.3](#)

**RefSeq Size:** 1410 bp

**RefSeq ORF:** 1224 bp

**Locus ID:** 11047

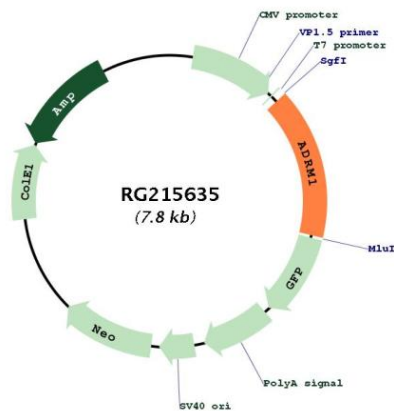
**UniProt ID:** [Q16186](#)

**Cytogenetics:** 20q13.33

**Domains:** ARM\_1

**Gene Summary:** This gene encodes a member of the adhesion regulating molecule 1 protein family. The encoded protein is a component of the proteasome where it acts as a ubiquitin receptor and recruits the deubiquitinating enzyme, ubiquitin carboxyl-terminal hydrolase L5. Increased levels of the encoded protein are associated with increased cell adhesion, which is likely an indirect effect of this intracellular protein. Dysregulation of this gene has been implicated in carcinogenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

### Product images:



Circular map for RG215635