

Product datasheet for **RG205671**

ADRM1 (NM_175573) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADRM1 (NM_175573) 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:	>RG205671 representing NM_175573 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGACCTCAGGCGCGCTCTTTCCAAGCCTGGTGCCAGGCTCTCGGGGCGCCTCCAACAAGTACTTGG
TGGAGTTTCGGGCGGAAAGATGTCCTGAAGGGGACCACCGTGACTCCGGATAAGCGGAAAGGGCTGGT
GTACATTCAGCAGACGGACGACTCGCTTATTCACTTCTGCTGGAAGGACAGGACGTCGGGAACGTGGAA
GACGACTTGATCATCTTCCCTGACGACTGTGAGTCAAGCGGGTCCCGCAGTGCCCCAGCGGGAGGGTCT
ACGTGCTGAAGTCAAGGACGGTCCAAGCGGCTTTTCTTCTGGATGCAGGAACCAAGACAGACCAGGA
TGAGGAGCATTGCCGAAAGTCAACGAGTATCTGAACAACCCCGATGCCTGGGGCACTGGGGCCAGC
GGAAGCAGCGCCACGAACTCTCTGCGTAGGCGGTGAGGGTGGCCTGCAGAGCCTGCTGGGAAACATGA
GCCACAGCCAGCTCATGCAGCTCATCGGACCAGCCGGCCTCGGAGGACTGGGTGGGCTGGGGGCCCTGAC
TGGACCTGGCCTGGCCAGTTTACTGGGGAGCAGTGGGCCCTCCAGGGAGCAGCTCCTCCTCCAGCTCCCGG
AGCCAGTGGCAGCGGTCAACCCGTATCCACCACCTCTTCCACCCGTGCCACCCAGCCCTTCTGCTC
CAGCAGCTGCCTCAGCAACTAGCCCGAGCCCGCGCCAGTTCGGGAATGGAGCCAGCACAGCAGCCAG
CCCAGCCAGCCCATCCAGCTGAGCGACCTCCAGAGCATCCTGGCCACGATGAACGTACCAGCCGGGCCA
GCAGGCGGCCAGCAAGTGGACCTGGCCAGTGTGCTGACGCGGAGATAATGGCTCCCATCCTCGCCAAGC
CGGATGTCCAGGAGCGCCTGCTTCCCTACTTGCCATCTGGGGAGTCGCTGCCGCAGACCCGGATGAGAT
CCAGAATACCCTGACCTCGCCCCAGTTCAGCAGGCCCTGGGCATGTTCCAGCGCAGCCTTGGCCTCGGGG
CAGCTGGGCCCTCATGTGCCAGTTTCGGTCTGCCTGCAGAGGCTGTGGAGGCCGCAACAAGGGCGATG
TGAAGCGTTTGCCAAAGCCATGCAGAACAACGCCAAGCCGAGCAGAAAGAGGGCGACACGAAGGACAA
GAAGGACGAAGAGGAGGACATGAGCCTGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG205671 representing NM_175573
 Red=Cloning site Green=Tags(s)

MTTSGALFPSLVPGSRGASNKYLVEFRAGKMSLKGTTPDKRKL VYIQQTDDSLIHFCWKDR TSGNVE
 DDLIIIFPDDCEFKRVPQCPSGRVYV LKFKAGSKRLFFWMQEPKTDQDEEHCRK VNEYLNPPMPGALGAS
 GSSGHEL SALGGEGGLQSL LGNMHSQ LMQ LIGPAGLGGLGGLGALTGPGLASLLGSSGPPGSSSSSSSR
 SQSAAVTPSSTTSSTRATPAPSAPAAASATSPSPAPSSGNGASTAASPTQPIQLSDLQSILATMNV PAGP
 AGGQQVDLAVL TPEIMAPILANADVQERLLPYLP SGESLPQTAD EIQNTLTSPQFQQALGMF SAALASG
 QLGPLMCQFGLPAEAVEAANKGDVEAF AKAMQNNAKPEQKEGDTKDKKDEEEDMSLD

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175573

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_175573.1](#), [NP_783163.1](#)

RefSeq Size: 1406 bp

RefSeq ORF: 1224 bp

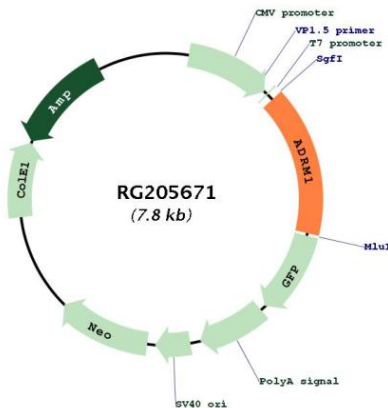
Locus ID: 11047

UniProt ID: [Q16186](#)

Cytogenetics: 20q13.33

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 RG205671