

## Product datasheet for **RG233151**

### **ADGRE1 (NM\_001256252) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ADGRE1 (NM_001256252) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ADGRE1
Synonyms:	EMR1; TM7LN3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide  
Sequence:

>RG233151 representing NM\_001256252  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCGTGGCTTCAACCTGCTCCTTCTGCGGATGTTGTATTGCACAGCTGGGAAGGACACATAAGAC  
CCACACGAAACCAACACAAAGGGTAATAACTGTAGAGACAGTACCTTGTGCCAGCTTATGCCACCTG  
CACCAATACAGTGGACAGTTACTATTGCGCTTGCAAAACAAGGCTTCTGTCCAGCAATGGGCAAAATCAC  
TTCAAGGATCCAGGAGTGCAGTGCAAAGATATCAATGAGTGCCTCACCAGCAGCGTCTGCCCTGAGCATT  
CTGACTGTGTCAACTCCATGGGAAGCTACAGTTGCAGCTGTCAAGTTGGATTCTCTAGAAAATCCAC  
CTGTGAAGACGTGGATGAATGTGCAGATCCAAGAGCTTGCCAGAGCATGCAACTGTAATAACTGTT  
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TGGGAGCTACTTTTGACCTGCCACCCTGGCTTTGCACCAAGCAATGGACAGTTGAATTTACAGACCAA  
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CGGCTGTTCCGGACGGAATACTTAGACATTGAGAGCAAAGTTATCAACAAAGAATGCAGTGAAGAGAATGT  
GACGTTGGACTTGGTAGCCAAGGGGATAAGATGAAGATCGGGTGTCCACAATTGAGGAATCTGAATCC  
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TATCATGGCGTCTGGGGAGCTCACGATGGACTTTTCTTGTACATCATTAGCCATGTAGGCATTATCATC  
TCCTTGGTGTGCCTCGTCTTGGCCATCGCCACCTTTCTGTGTGTCGCTCCATCCGAAATCACAACCT  
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TGACAACAAGATGGGCTGCGCCATCATCGCGGGCTTCTGCACTACCTTTTCTTGCCTGCTTCTTCTGG  
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GGGGCCCTTCTTCTCATCCACTGTCTGCTCAACGGCCAGGTACGAGAAGAATAACAAGAGGTGGATC  
ACTGGGAAGACGAAGCCAGCTCCAGTCCAGACCTCAAGGATCTTGTGTCCTCCATGCCATCCGCTT  
CCAAGACGGGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG233151 representing NM\_001256252  
 Red=Cloning site Green=Tags(s)

MRGFNLLLFWGCCVMHSWEGHIRPTRKPNKGNCRDSTLCPAYATCTNTVDSYACACKQGFLSSNGQNH  
 FKDPGVRCKDINECLTSSVCPPEHSDCVNSMGSYSCSQVGFISRNSTCEDVDECADPRACPEHATCNNTV  
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 GVECRDIDECRQDPSTCGPNSICTNALGSYSCGCIAGFHPNPEGSQKDGNFSCQRVLFKCKEDVIPDNKQ  
 IQQCQEGTAVKPAYVSFCAQINNIFSVLDKVCENKTTVSLKNTTESFVPLVKQISTWTKFKEETSSLA  
 TVFLESVESMTLASFWKPSANITPAVRTEYLDIESKVINKECSEENVTLDLVAKGDKMKIGCSTIEESES  
 TETTGVAFVSFVGMESVLNERFFKDHQAPLTTSEIKLMNSRVVGGIMTGEKKDGFSDPIIYTLNIQPK  
 QKFERPICVSWSTDVKGGRWTSFGCVILEASETYTICSCNQMANLAVIMASGELTMDFSLYIISHVGIII  
 SLVCLVLAIAATFLLCRSIRNHNTYLHLHLCVCLLLAKTLFLAGIHKTDNKMGCIIAGFLHYLFLACFFW  
 MLVEAVILFLMVRNLKVVNYFSSRNKMLHICAFGYGLPMLVVVISASVQPQGYGMHNRCLWNTETGFIW  
 SFLGPVCTVIVVSKYYNSLAKCVLKEEQDLRDLEFPGTCAAERINSLLLTWTLWILRQRLSSVNAEVST  
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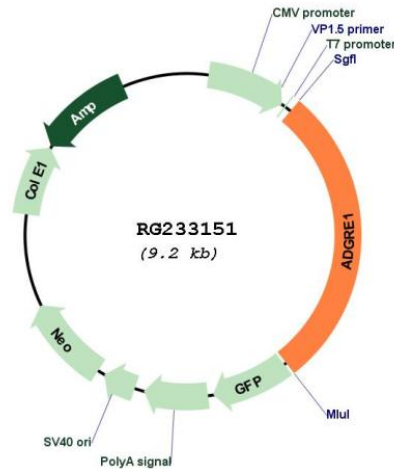
TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_001256252

**ORF Size:** 2601 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\\_001256252.2](#)

**RefSeq Size:** 3104 bp

**RefSeq ORF:** 2604 bp

**Locus ID:** 2015

**UniProt ID:** [Q14246](#)

**Cytogenetics:** 19p13.3-p13.2

**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:** This gene encodes a protein that has a domain resembling seven transmembrane G protein-coupled hormone receptors (7TM receptors) at its C-terminus. The N-terminus of the encoded protein has six EGF-like modules, separated from the transmembrane segments by a serine/threonine-rich domain, a feature reminiscent of mucin-like, single-span, integral membrane glycoproteins with adhesive properties. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]