

Product datasheet for **RC233116**

ADGRE1 (NM_001256254) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADGRE1 (NM_001256254) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ADGRE1
Synonyms:	EMR1; TM7LN3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC233116 representing NM_001256254
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGTGGCTTCAACCTGCTCCTTCTGCGGATGTTGTGTTATGCACAGCTGGGAAGGGCACATAAGAC
 CCACACGAAACCAACACAAAGGGTAATAACTGTAGAGACAGTACCTTGTGCCAGCTTATGCCACCTG
 CACCAATACAGTGGACAGTTACTATTGCGCTTGCAAAACAAGGCTTCTGTCCAGCAATGGGCAAAATCAC
 TTCAAGGATCCAGGAGTGCAGTGCAAAGATATTGATGAATGCACTGAAATGTGCCCATCAATTCACAT
 GCACCAACTCTGGGAGCTACTTTTGCACCTGCCACCCTGGCTTTCACCAAGCAATGGACAGTTGAA
 TTTACAGACCAAGGAGTGAATGTAGAGATATTGATGAGTGCAGCAAGATCCATCAACCTGTGGTCTCT
 AATTCTATCTGCACCAATGCCCTGGGCTCCTACAGCTGTGGCTGCATTGCAGGCTTTCATCCCAATCCAG
 AAGGCTCCAGAAAGATGGCACTTCAGCTGCCAAAGGGTTCTCTCAAATGTAAGGAAGATGTGATACC
 CGATAATAAGCAGATCCAGCAATGCCAAGAGGGAACCGCAGTAAAACCTGCATATGTCTCCTTTTGTGCA
 CAAATAAATAACATCTTCAGCGTTCTGGACAAAGTGTGTGAAAATAAAACGACCGTAGTTTCTCTGAAGA
 ATACAACCTGAGAGCTTTGTCCCTGTGCTTAAACAAATATCCACGTGGACTAAATTCACCAAGGAAGAGAC
 GTCCTCCCTGGCCACAGTCTTCCCTGGAGAGTGTGGAAAGCATGACACTGGCATCTTTTGGAAAACCTCA
 GCAAAATACACTCCGGCTGTTCCGGACGGAATACTTAGACATTGAGAGCAAAGTTATCAACAAAGAATGCA
 GTGAAGAGAATGTGACGTTGGACTTGGTAGCCAAGGGGATAAGATGAAGATCGGGTGTCCACAATTGA
 GGAATCTGAATCCACAGAGACCACTGGTGTGGCTTTTGTCTCCTTGTGGCATGGAATCGGTTTTAAAT
 GAGCGCTTCTTCAAAGACCACAGGCTCCCTTGACCACCTCTGAGATCAAGCTGAAGATGAATTCGAG
 TCGTTGGGGGCATAATGACTGGAGAGAAGAAAGACGGCTTCTCAGATCCAATCATCACTCTGGAGAA
 CATTTCAGCCAAAGCAGAAGTTTGGAGGCCATCTGTGTTTCTGGAGCACTGATGTGAAGGGTGAAGA
 TGGACATCCTTTGGCTGTGTGATCCTGGAAGCTTCTGAGACATATACCATCTGCAGCTGTAATCAGATGG
 CAAATCTTGCCGTTATCATGGCGTCTGGGGAGCTCACGATGGACTTTTCTTGTACATCATTAGCCATGT
 AGGCATTATCATCTCCTTGGTGTGCCTCGTCTTGGCCATCGCCACCTTTCTGCTGTGCGCTCCATCCGA
 AATCACAACACCTACCTCCACCTGCACCTCTGCGTGTGTCTCCTTGGCGAAGACTCTCTTCTCGCCG
 GTATACACAAGACTGACAACAAGATGGGCTGCGCCATCATCGGGGCTTCTGCACTACCTTTTCTTGC
 CTGCTTCTCTGGATGCTGGTGGAGGCTGTGATACTGTTCTTGTGATGGTCAGAAACCTGAAGGTGGTGAAT
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 AGGGTTTACTGAGTCTTGGGGCCAGTTTGCACAGTTATAGTGATCAACTCCCTTCTCTGACCTGG
 ACCTTGTGGATCCTGAGGCAGAGGCTTTCCAGTGTAAATGCCAAGTCTCAACGCTAAAAGACACAGGT
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 TGGACCTGTGGCAGGTGTGATGGCTTACCTGTTACCATCATCAACAGCCTGCAGGGGGCCTTTCATCTC
 CTCATCCACTGTCTGCTCAACGGCCAGGTACGAGAAGAATAACAAGAGGTGGATCACTGGGAAGACGAAGC
 CCAGCTCCAGTCCAGACCTCAAGGATCTTGTGTCTCCATGCCATCCGCTTCCAAGACGGGT

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233116 representing NM_001256254
 Red=Cloning site Green=Tags(s)

MRGFNLLLFWGCCVMHSWEGHIRPTRKPNKGNCRDSTLCPAYATCTNTVDSYYCACKQGFSSNGQNH
 FKDPGVRCKDIDECTEMCPINSTCTNTPGSYFCTCHPGFAPSNGQLNFTDQGV ECRDIDECRQDPSTCGP
 NSICTNALGSYSCGCIAGFHPNPEGSQKDNFSCQRVLFKCKEDVIPDNKIQCCQEGTAVKPAYVSFCA
 QINNIFSVLDKVCENKTTVVSLKNTTESFVPVLKQISTWTKFKEETSSLATVFLESVESMTLASFWKPS
 ANITPAVRTEYLDIESKVINKECSEENVTLDLVAKGDKMKIGCSTIEESESTETTGVAFVSVGMESVLN
 ERFFKDHQAPLTTSEIKLMNSRVVGGIMTGEKKDGFSDPIIYTLNIQPKQKFERPICVSWSTDVKGGR
 WTSFGCVILEASETYTICSCNQMANLAVIMASGELTMDFSLYIISHVGIISLVCLVLAIAITFLCRSIR
 NHNTYLHLHLVCLLLAKTLFLAGIHKTDNMGCAIIAGFLHYLFLACFFWMLVEAVILFLMVRNLKVVN
 YFSSRNKMLHICAFGYLPLVVVISASVQPQGYGMHNRWLNTEGFIWSFLGPVCTVIVINSLLLTW
 TLWILRQLSSVNAEVSTLKDTRLLTFKFAQLFILGCSWVLGIFQIGPVAGVMAYLFTIINSLQGAFIF
 LIHCLLNGQVREEYKRWITGKTKPSSQSQTSRILLSSMPSASKTG

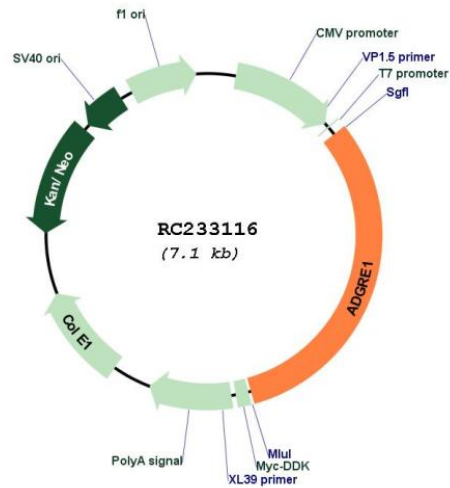
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001256254

ORF Size: 2235 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_001256254.2](#)

RefSeq Size: 2738 bp

RefSeq ORF: 2238 bp

Locus ID: 2015

UniProt ID: [Q14246](#)

Cytogenetics: 19p13.3-p13.2

Protein Families: Druggable Genome, Transmembrane

MW: 83.2 kDa

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]