

Product datasheet for **RC234932**

ADGRE1 (NM_001256253) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADGRE1 (NM_001256253) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ADGRE1
Synonyms:	EMR1; TM7LN3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC234932 representing NM_001256253
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGTGGCTTCAACCTGCTCCTTCTGGGGATGTTGTATTGCACAGCTGGGAAGGGCACATAAGAC
 CCACACGGAAACCAACACAAAGGGTAATAACTGTAGAGACAGTACCTTGTGCCAGCTTATGCCACCTG
 CACCAATACAGTGGACAGTTACTATTGCGCTTGCAAAACAAGGCTTCTGTCCAGCAATGGGCAAAATCAC
 TTCAAGGATCCAGGAGTGCAGTGCAAAGATATTGATGAATGTTCTCAAAGCCCCAGCCCTGTGGTCCTA
 ACTCATCTGCAAAAACCTGTCAGGGAGGTACAAGTGCAGCTGTTTAGATGGTTTCTTCTCCACTGG
 AAATGACTGGGTCCAGGAAAGCCGGGCAATTTCTCTGTACTGATATCAATGAGTGCCTCACCAGCAGC
 GTCTGCCCTGAGCATTCTGACTGTGCACTCCATGGGAAGCTACAGTTGCAGCTGTCAAGTTGGATTCA
 TCTCTAGAACTCCACCTGTGAAGACGTGGATGAATGTGCAGATCCAAGAGCTTGCCAGAGCATGCAAC
 TTGTAATAACACTGTTGGAACTACTCTTGTCTTCTGCAACCCAGGATTTGAATCCAGCAGTGGCCACTTG
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 GAATTTACAGACCAAGGAGTGGAAATGTAGAGATATTGATGAGTGCCGCCAAGATCCATCAACCTGTGGT
 CCTAATTTCTATCTGCACCAATGCCCTGGGCTCCTACAGCTGTGGCTGCATTGCAGGCTTTCATCCCAATC
 CAGAAGGCTCCCGAAAGATGGCAACTTCAGCTGCCAAAGGGTCTCTTCAAATGTAAGGAAGATGTGAT
 ACCCGATAATAAGCAGATCCAGCAATGCCAAGAGGGAACCGCAGTGAACTGCATATGTCTCCTTTTGT
 GCACAAATAAATAACATCTTCAGCGTTCTGGACAAAGTGTGTGAAAATAAAACGACCGTAGTTTCTCTGA
 AGAATAACAACAGAGCTTTGTCCCTGTGCTTAAACAAATATCCACGTGGACTAAATCCACCAAGGAAGA
 GACGTCCTCCCTGGCCACAGTCTTCTGGAGAGTGTGGAAGCATGACACTGGCATCTTTTTGGAAACCC
 TCAGCAAATATCACTCCGGCTGTTCCGACGGAATACTTAGACATTGAGAGCAAAGTTATCAACAAAGAAT
 GCAGTGAAGAGAATGTGACGTTGGACTTGGTAGCCAAGGGGGATAAGATGAAGATCGGGTGTCCACAAT
 TGAGGAATCTGAATCCACAGAGACCACTGGTGTGGCTTTTGTCTCCTTTGTGGGCATGGAATCGGTTTTA
 AATGAGCGCTTCTCAAAGACCACCAGGCTCCCTTGACCCTCTGAGATCAAGTGAAGATGAATTCTC
 GAGTCGTTGGGGGCATAATGACTGGAGAGAAGAAAGACGGCTTCTCAGATCCAATCATCTACACTCTGGA
 GAACATTCAGCCAAAGCAGAAGTTTGGAGGCCCATCTGTGTTTCTGGAGCACTGATGTGAAGGGTGA
 AGATGGACATCCTTTGGCTGTGTATCCTGGAAGCTTCTGAGACATATACCATCTGCAGCTGTAATCAGA
 TGGCAAATCTTGCCGTTATCATGGCGTCTGGGGAGCTCACGATGGGCTGCGCCATCATCGCGGGCTCCT
 GCACTACCTTTTCTTGCTGCTTCTTCTGGATGCTGGTGGAGGCTGTGATACTGTTCTTGTATGGTCAGA
 AACCTGAAGGTGGTGAATTACTTCAGCTCTCGCAACATCAAGATGCTGCACATCTGTGCCTTTGGTTATG
 GGCTGCCGATGCTGGTGGTGGTATCTCTGCCAGTGTGCAGCCACAGGGCTATGGAATGCATAATCGCTG
 CTGGCTGAATACAGAGACAGGGTTTATCTGGAGTTTCTTGGGGCCAGTTTGCACAGTTATAGTGATCAAC
 TCCCTTCTCTGACCTGGACCTTGTGGATCCTGAGGCAGAGGCTTCCAGTGTTAATGCCGAAGTCTCAA
 CGCTAAAAGACACCAGGTTACTGACCTTCAAGGCCTTTGCCAGCTTTCATCCTGGGCTGCTCCTGGGT
 GCTGGGCATTTTTAGATTGGACCTGTGGCAGGTGTATGGCTTACCTGTTCAACCATCATCAACAGCCTG
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 TCACTGGGAAGACGAAGCCAGCTCCAGTCCCAGACCTCAAGGATCTTGCTGTCTCCATGCCATCCGC
 TTCCAAGACGGGT

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC234932 representing NM_001256253
Red=Cloning site Green=Tags(s)

MRGFNLLLFWGCCVMHSWEGHIRPTRKPNKGNCRDSTLCPAYATCTNTVDSYYCACKQGFLSSNGQNH
FKDPGVRCKDIDECSPQPCGPNSSCKNL SGRYKCSCLDGFSSPTGNDWVPGKPGNF SCTDINECLTSS
VCPEHSDCVNSMGSYSCSCQVGFISRNSTCEDVDECADPRACPEHATCNNTVGNYSFCNPGFESSGHL
SFQGLKASCEDIDECTEMCPINSTCTNTPGSYFCTCHPGFAPSNGQLNFTDQGV ECRDIDECRQDPSTCG
PNSICTNALGSYSCGCIAGFHPNPEGSQKDNFSCQRVLFKCKEDVIPDNKQIQQCQEGTAVKPAYVSFC
AQINNIFSVLTKVCENKTTVVSLKNTTESFVPVLKQISTWTKFTKEETSSLATVFLESVESMTLASFVKP
SANITPAVRTEYLDIESKVINKECSEENVTLDLVAKGDKMKIGCSTIEESESTETTGVAFVSFVGMESVL
NERFFKDHQAPLTTSEIKLKMNSRVVGGIMTGEKKDGFSDPIIYTL ENIQPKQKFERPICVSWSTDVKGK
RWTSFGCVILEASETYTICSCNQMANLAVIMASGELTMGCAIIAGFLHYLFLACFFWMLVEAVILFLMVR
NLKVVVNYFSSRNKMLHICAFGYGLPMLVVVISASVQPQGYGMHNRWLN TETGFIWSFLGPVCTVIVIN
SLLL TWLWILRQRLSSVNAEVSTLKDTRLLTFKAFQLFILGCSWVLGIFQIGPVAGVMAYLFTIINSL
QGAFIFLIHCLLNGQVREEYKRWITGKTKPSSQSQTSRILLSSMPSASKTG

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_001256253

ORF Size: 2463 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_001256253.2](#)

RefSeq Size: 2966 bp

RefSeq ORF: 2466 bp

Locus ID: 2015

UniProt ID: [Q14246](#)

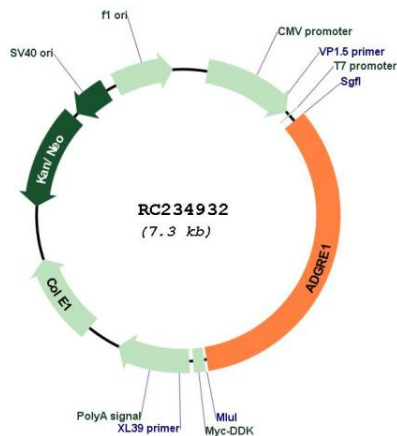
Cytogenetics: 19p13.3-p13.2

Protein Families: Druggable Genome, Transmembrane

MW: 90.8 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]

Product images:



Circular map for RC234932