

Product datasheet for **SC303102**

ADGRE1 (NM_001974) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADGRE1 (NM_001974) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADGRE1
Synonyms:	EMR1; TM7LN3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_001974 edited
 ATGCGTGGCTTCAACCTGCTCCTTCTGGGGATGTTGTGTTATGCACAGCTGGGAAGGG
 CACATAAGACCCACACGGAAACCAACAAAGGGTAATAACTGTAGAGACAGTACCTTG
 TGCCACAGCTTATGCCACCTGCACCAATACAGTGGACAGTTACTATTGCGCTTGCAAAACA
 GGCTTCTGTCCAGCAATGGGCAAAATCACTTCAAGGATCCAGGAGTGCATGCAAAAGAT
 ATTGATGAATGTTCTCAAAGCCCCAGCCCTGTGGTCTTAACCTCATCTGCAAAAACCTG
 TCAGGGAGGTACAAGTGCAGCTGTTTAGATGGTTTCTCTCTCCACTGGAAATGACTGG
 GTCCCAGGAAAGCCGGCAATTTCTCCTGTACTGATATCAATGAGTGCCTCACCAGCAGC
 GTCTGCCCTGAGCATTCTGACTGTGTCAACTCCATGGGAAGCTACAGTTGCAGCTGTCAA
 GTTGGATTCTCTAGAAACTCCACCTGTGAAGACGTGGATGAATGTGCAGATCCAAGA
 GCTTGCCAGAGCATGCAACTTGTAAATAACTGTTGGAACTACTCTTGTCTTCTGCAAC
 CCAGGATTTGAATCCAGCAGTGGCCACTTGAGTTTCCAGGGTCTCAAAGCATCGTGTGAA
 GATATTGATGAATGCACTGAAATGTGCCCCATCAATTCAACATGCACCAACTCCTGGG
 AGCTACTTTTGCACCTGCCACCCTGGCTTTGCACCAAGCAATGGACAGTTGAATTTACA
 GACCAAGGAGTGGAAATGTAGAGATATTGATGAGTGCCCAAGATCCATCAACCTGTGGT
 CCTAATCTATCTGCACCAATGCCCTGGGCTCCTACAGCTGTGGCTGCATTGCAGGCTTT
 CATCCCAATCCAGAAGGCTCCCAGAAAGATGGCAACTTCAGCTGCCAAAGGGTTCTCTTC
 AAATGTAAGGAAGATGTGATACCCGATAATAAGCAGATCCAGCAATGCCAAGAGGGAACC
 GCAGTGAACCTGCATATGTCTCCTTTTGTGCACAAATAAATAACATCTTCAGCGTTCTG
 GACAAAGTGTGTGAAAATAAACGACCGTAGTTTCTCTGAAGAATACTGAGAGCTTT
 GTCCCTGTGCTTAAACAAATATCCACGTGGACTAAATTCACCAAGGAAGAGACGTCTCC
 CTGGCCACAGTCTTCTGGAGAGTGTGGAAAGCATGACACTGGCATCTTTTGGAAACCC
 TCAGCAAAATCACTCCGGCTGTTCCGACGGAATACTTAGACATTGAGAGCAAAGTTATC
 AACAAAGAATGCAGTGAAGAGAATGTGACGTTGACTTGGTAGCCAAGGGGGATGAAGATG
 AAGATCGGGTGTCCACAATTGAGGAATCTGAATCCACAGAGACCACTGGTGTGGCTTTT
 GTCTCCTTTGTGGGCATGGAATCGGTTTTAAATGAGCGCTTCTTCAAAGACCACCAGGCT
 CCCTTGACCACCTCTGAGATCAAGCTGAAGATGAATTCTCGAGTCGTTGGGGCATAATG
 ACTGGAGAGAAGAAAGACGGCTTCTCAGATCCAATCATCTACACTCTGGAGAACATTCAG
 CCAAAGCAGAAGTTTGGAGGCCATCTGTGTTTCTGGAGCACTGATGTGAAGGTGGA
 AGATGGACATCCTTTGGCTGTGTGATCCTGGAAGCTTCTGAGACATATACCATCTGCAGC
 TGTAATCAGATGGCAAATCTTCCGTTATCATGGCGTCTGGGAGCTCACGATGGACTTT
 TCCTTGTACATCATTAGCCATGTAGGCATTATCATCTCCTTGGTGTGCCTCGTCTTGGCC
 GTCGCCACCTTTCTGCTGTGTGCTCCATCCGAAATCACAAACACTACCTCCACCTGCAC
 CTCTGCGTGTGTCTCCTCTTGGCGAAGACTCTCTTCTCGCCGGTATACACAAGACTGAC
 AACAAAGACGGGCTGCGCCATCATCGCGGCTTCTGCACTACCTTTTCTTGCCTGCTTC
 TTCTGGATGCTGGTGGAGGCTGTGATACTGTTCTTGTATGGTCAGAAACCTGAAGGTGGT
 AATTACTTCAGCTCTCGCAACATCAAGATGCTGCACATCTGTGCCTTTGGTTATGGGCTG
 CCGATGCTGGTGGTGGTATCTCTGCCAGTGTGCAGCCACAGGGCTATGGAATGCATAAT
 CGCTGCTGGCTGAATACAGAGACAGGGTTTATCTGGAGTTTCTTGGGGCCAGTTTGCACA
 GTTATAGTGATCAACTCCCTTCTCCTGACCTGGACCTTGTGGATCCTGAGGCAGAGGCTT
 TCCAGTGTTAATGCCAAGTCTCAACGCTAAAAGACACCAGGTTACTGACCTTCAAGGCC
 TTTGCCAGCTCTTATCCTGGGCTGCTCCTGGGTGCTGGGCATTTTTTTCAGATTGGACCT
 GTGGCAGGTGTCATGGCTTACCTGTTTACCATCATCAACAGCCTGCAGGGGGCCTTATC
 TTCCTCATCCACTGTCTGCTCAACGGCCAGGTACGAGAAGAATAACAAGAGGTGGATCACT
 GGGAAAGACGAAGCCAGCTCCCAGTCCCAGACCTCAAGGATCTTGTCTCCTCCATGCCA
 TCCGCTTCCAAGACGGGTAA

Restriction Sites: Please inquire

ACCN: NM_001974

Insert Size: 3200 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	The open reading frame of this clone has been fully sequenced and found two SNPs within the protein associated with this reference, NM_001974.3. These SNPs change amino acids, but they are from natural cDNA.
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:	<ol style="list-style-type: none">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:	<u>NM_001974.3</u> , <u>NP_001965.3</u>
RefSeq Size:	3150 bp
RefSeq ORF:	2661 bp
Locus ID:	2015
UniProt ID:	<u>Q14246</u>
Cytogenetics:	19p13.3-p13.2
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>