

Product datasheet for **RC239048**

EMR3 (ADGRE3) (NM_001289158) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EMR3 (ADGRE3) (NM_001289158) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ADGRE3
Synonyms:	EMR3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC239048 representing NM_001289158
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAGGGACCATTGCTTCTCCAGGCCTCTGCTTTCTGCTGAGCCTCTTTGGAGCTGTGACTCAGAAAA
 CCAAACTTCTGTGCTAAGTGCCCAATGCTTCTGTGCAATAAACAACACTGACCTGCAACCA
 TGGATATACTTCTGGATCTGGGCAGAACTATTACATTTCCCTTGGAGACATGTAAACGACACCCTCC
 TCAAAGACAACCGAGGGCAGGAAAGAGCTGCAAAAGATTGTGGACAAATTTGAGTCACTTCTACCAATC
 AGACTTTATGGAGAACAGAAGGGAGACAAGAAATCTCATCCACAGCTACCACTATTCTCCGGGATGTGGA
 ATCGAAAGTTCTAGAACTGCCTTGAAGATCCAGAACAAAAAGTCTGAAAATCCAAAACGATAGTGTA
 GCTATTGAACTCAAGCGATTACAGACAATTGCTCTGAAGAAAGAAAGACATTCACTTGAACGTCCAAA
 TGAACCAATGGACATCCGTTGCAGTGACATCATCCAGGGAGACACAAAGTCCAGTCCATTGCCTT
 TATCTCATATTCTCTTGGAAACATCATAAATGCAACTTTTTTTGAAGAGATGGATAAGAAAGATCAA
 GTGATCTGAACTCTCAGTTGTGAGTGTCTATTGGACCCAAAAGGAAGTGTCTCTCTCCAAGTCTG
 TGACGCTGACTTTCCAGCACGTGAAGATGACCCCCAGTACAAAAAGGTCTTCTGTGTCTACTGGAAGAG
 CACAGGGCAGGGCAGCCAGTGGTCCAGGGATGGCTGCTTCTGATACACGTGAACAAGAGTCAACCATG
 TGTAAATTCAGTACCTGTCCAGCTTCCGCTGTCCTGATGGCCCTGACCAGCCAGGAGGAGATCCCGTGC
 TGACTGTCATCACCTACGTGGGGCTGAGCGTCTCTGCTGTGCCTCCTCTGGCGGCCCTCACTTTTCT
 CCTGTGTAAGCCATCCGGAACACCAGCACCTCACTGCATCTGCAGCTCTCGCTCTGCCTTCTCTGGCC
 CACCTCCTTCTCTCGTGGGATTGATCGAAGTGAACCAAGTGTGTGCTCCATCATCGCCGGTGTCTT
 TGCACTATCTACCTGGCCGCTTACCTGGATGCTGCTGGAGGTGTGCACCTTCTCTCACTGCACG
 GAACCTGACAGTGGTCACTACTCAAGCATCAATAGACTCATGAAGTGGATCATGTTCCAGTCCGCTAT
 GCGTTCCTCGTGTGACTGTGGCCATTTCTGCAGCCTCCTGGCCTCACCTTTATGAACTGCTGATCGAT
 GCTGGCTCCACCTGGACCAGGGATTGATGTGGAGTTTCTTGGCCAGTCTGTGCCATTTTCTCTGCGAA
 TTTAGTATTGTTTATCTTGGTCTTTGGATTTTAAAAGAAAATTTCTCCCTCAATAGTGAAGTGTCA
 ACCATCCAGAACACAAGGATGCTGGCTTCAAAGCAACAGCTCAGCTTTCATCTGGGCTGCACATGGT
 GTCTGGGCTTGTACAGGTGGTCCAGCTGCCAGGTGATGGCCTACCTTTCACCATCATCAACAGCCT
 CCAAGGCTTCTCATCTTCTTGGTCTACTGCCTCCTCAGCCAGCAGGTCCAGAAACAATATCAAAGTGG
 TTTAGAGAGATCGTAAAATCAAATCTGAGTCTGAGACATACACACTTCCAGCAAGATGGTCTGACT
 CAAAACCCAGTGAAGGGGATGTTTTCCAGGACAAGTGAAGAGAAAATAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239048 representing NM_001289158
 Red=Cloning site Green=Tags(s)

MQGPLLLPGLCFLLSLFQAVTQKTKTSCAKCPPNASCVNTHCTCNHGYTSGSQKLFTFPLETCNDTTS
 SKTTEGRKELQKIVDKFESLLTNQTLWRTEGRQEISSTATTILRDVESKVLETALKDPEQKVLKIQNDSV
 AIETQAITDNCSEERKTFNLNVQMNSMDIRCSDI IQGDTQGPSAIAFISYSSLGNIINATFFEEMDKKQ
 VYLNSQVVSAAIGPKRNVSLSKSVTLTFQHKMTPSTKKVFCVYWKSTGQGSQWSRDGCFLIHVNKSHMT
 CNCSSLSFAVLMALTSQEEDPVLTVITYVGLSVSLLCLLLAALFLLCKAIRNTSTSLHLQLSLCLFLA
 HLLFLVIGIDRTEPKVLCIIAGALHYLYLAFTWMLLEGVHLFLTARNLTVVNYSSINRLMKWIMFPVGY
 GVPVAVTVAISAASWPHLYGTADRCWLHLDQGFMSFLGPVCAIFSANLVLFILVFILWILKRKLSLSEV
 TIQNRMLAFKATAQLFILGCTWCLGLLQVGPAAQVMAYLFTIINSLQGFIFLVYCLLSQVQKQYQKW
 FREIVKSKSESEYTLSSKMGPDSPSEGDVFPQVYKRY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

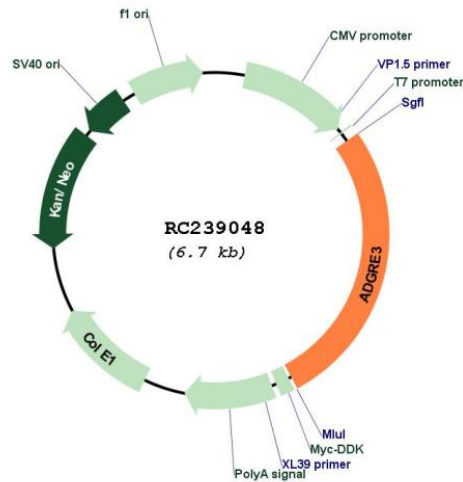
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001289158

ORF Size: 1800 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:	<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:	NM_001289158.1 , NP_001276087.1
RefSeq Size:	2267 bp
RefSeq ORF:	1803 bp
Locus ID:	84658
UniProt ID:	Q9BY15
Cytogenetics:	19p13.12
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
MW:	67.2 kDa
Gene Summary:	This gene encodes a member of the class B seven-span transmembrane (TM7) receptor family expressed predominantly by cells of the immune system. Family members are characterized by an extended extracellular region with a variable number of N-terminal epidermal growth factor (EGF)-like domains coupled to a TM7 domain via a mucin-like spacer domain. This gene is closely linked to the gene encoding egf-like molecule containing mucin-like hormone receptor 2 on chromosome 19. This protein may play a role in myeloid-myeloid interactions during immune and inflammatory responses. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2014]