

Product datasheet for **RG239048**

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:	TurboGFP
Symbol:	EMR3
Synonyms:	EMR3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239048 representing NM_001289158.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGCAGGGACCATTGCTTCTCCAGGCCCTCTGCTTCTGCTGAGCCTCTTTGGAGCTGTGACTCAGAAA
ACCAAAACTTCCGTGCTAAGTGCCCCCAAATGCTTCCGTGTCAATAACACTCACTGCACCTGCAAC
CATGGATATACTTCTGGATCTGGGCAGAACTATTACATTCCCCTTGGAGACATGTAACGACACCACC
TCCTCAAAGACAACCGAGGGCAGGAAAGAGCTGCAAAAAGATTGTGGACAAATTTGAGTCACTTCTACC
AATCAGACTTTATGGAGAACAGAAGGGAGACAAGAAATCTCATCCACAGTACCCTATTCTCCGGGAT
GTGGAATCGAAAGTTCTAGAACTGCCTTGAAGATCCAGAACAAAAAGTCTGAAAATCCAAAACGAT
AGTGTAGCTATTGAACTCAAGCATTACAGACAATTGCTCTGAAGAAAGAAAGACATCAACTTGAAC
GTCCAAATGAACTCAATGGACATCCGTTGCAGTGACATCATCCAGGGAGACACAAGTCCCAGTGCC
ATTGCCTTATCTCATATTTCTCTTGGAAACATCATAAATGCAACTTTTTTTGAAGAGATGGATAAG
AAAGATCAAGTGTATCTGAACTCTCAGGTTGTGAGTGCTGCTATTGGACCCAAAAGAACGTGCTCTC
TCCAAGTCTGTGACGCTGACTTCCAGCAGTGAAGATGACCCCAAGTACAAAAAGGTCTTCTGTGTC
TACTGGAAGAGCACAGGGCAGGGCAGCCAGTGGTCCAGGGATGGCTGCTTCTGATACACGTGAACAAG
AGTCACACCATGTGTAATTGCAGTCACTGTCCAGCTTCGCTGTCTGATGGCCCTGACCAGCCAGGAG
GAGGATCCCGTGTGACTGTCACTACCTACGTGGGGCTGAGCGTCTCTGCTGTGCCTCCTCTGGCG
GCCCTCACTTTTCTCTGTGTAAGCCATCCGGAACACCAGCACCTCACTGCATCTGCAGCTCTCGCTC
TGCTCTTCTGGCCACCTCCTCTTCTCGTGGGGATTGATCGAACTGAACCAAGGTGCTGTGCTCC
ATCATCGCCGGTGCTTTGCACTATCTCTACCTGGCCGCTTCACTGGATGCTGCTGGAGGTGTGCAC
CTCTTCTCACTGCACGGAACCTGACAGTGGTCAACTACTCAAGCATCAATAGACTCAAGTGGATC
ATGTTCCAGTCGGCTATGGCGTTCGCCGTGTGACTGTGGCCATTCTGCAGCCTCTGGCCTCACCTT
TATGGAAGTGTGATCGATGCTGGCTCCACCTGGACCAGGGATTCATGTGGAGTTTCTTGGCCAGTC
TGTGCCATTTTCTCTGCGAATTTAGTATTGTTTATCTTGGTCTTTTGGATTTTAAAAGAAAACTTTCC
TCCCTCAATAGTGAAGTGTCAACCATCCAGAACAAGGATGCTGGCTTCAAAGCAACAGCTCAGCTC
TTCATCTGGGCTGCACATGGTGTCTGGGCTTGCTACAGGTGGTCCAGCTGCCAGGTATGGCCTAC
CTCTTACCATCATCAACAGCCTCAAGGCTTCTTCTCTTCTTGGTCTACTGCCTCCTCAGCCAGCAG
GTCCAGAAACAATATCAAAGTGGTTTAGAGAGATCGTAAAATCAAATCTGAGTCTGAGACATACACA
CTTCCAGCAAGATGGGTCTGACTCAAACCCAGTGAGGGGGATGTTTTCCAGGACAAGTGAAGAGA
AAATAT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
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Protein Sequence:

>Peptide sequence encoded by RG239048
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MQGPLLLPGLCFLLSLFGAVTQKTKTSCAKPPNASCVNTHCTCNHGYTSGSQKLFPPLETCDNTT
SSKTTEGRKELQKIVDKFESLLTNQTLWRTEGRQEISSTATTILRDVESKVLETALKDPEQKVLKIQND
SVAIETQAITDNCSEERKTFNLTQVQMSMDIRCSDIQGDQGPSAIAFISYSSLGNIINATFFEEEMDK
KDQVYVLSQVVSAAIGPKRNVSLKSVTLTFQHVKMPSTKKVFCVYWKSTGQGSQSRDGCFLIHVNK
SHTMCNCSHLSSFAVLMALTSQEEDPVLTVITYVGLSVSLLCLLLAALTFLLCKAIRNTSTSLHLQLSL
CLFLAHLFLVIGDRTEPKVLCSTIAGALHLYLAAFTWMLLEGVHFLTARNLTVVNYSSINRLMKWI
MFPVGYGVPVAVTVAISAASWPHLYGTADRCWLHLDQGFMMWSFLGPVCAIFSANLVLFILVFWILKRKLS
SLNSEVSTIQNTRMLAFKATAQLFILGCTWCLGLLQVGPAAQVMAYLFTIINSLQGFIFLVYCLLSQQ
VQKQYQKWFREIVKSKSESETYTLSSKMGPDSPKSEGDVFPQVQRKY
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIIRSNATVEHLHPMGDNDLDGFSFTRTFLSRDGGYSSVVDSHMFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


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).

RefSeq: [NM_001289158.1](#), [NP_001276087.1](#)

RefSeq Size: 2267 bp

RefSeq ORF: 1803 bp

Locus ID: 84658

UniProt ID: [Q9BY15](#)

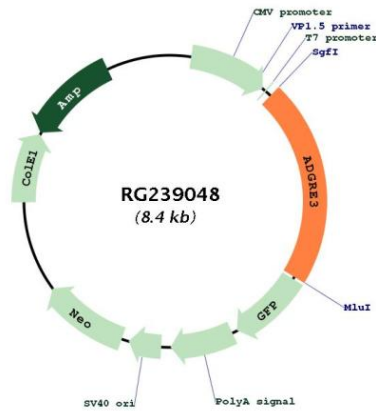
Cytogenetics: 19p13.12

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]

Product images:


Circular map for RG239048