

Product datasheet for **SC336942**

EMR3 (ADGRE3) (NM_001289158) Human Untagged Clone

Product data:

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

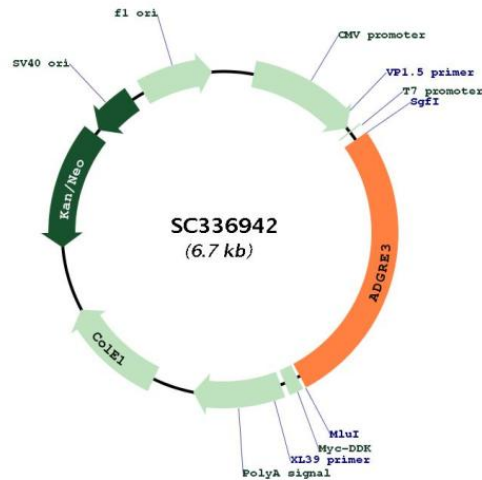


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Fully Sequenced ORF: >SC336942 representing NM_001289158.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAGGGACCATTGCTTCTCCAGGCCCTGCTTTCTGCTGAGCCTCTTTGGAGCTGTGACTCAGAAA
ACCAAACTTCCGTGCTAAGTGCCCCCAAATGCTTCCGTGTCAATAACACTCACTGCACCTGCAAC
CATGGATATACTTCTGGATCTGGGCAGAACTATTACATTCCCCTTGGAGACATGTAACGACACCACC
TCCTCAAAGACAACCGAGGGCAGGAAAGAGCTGCAAAAAGATTGTGGACAATTTGAGTCACTTCTCACC
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CTTCCAGCAAGATGGGTCTGACTCAAACCCAGTGAGGGGGATGTTTTCCAGGACAAGTGAAGAGA
AAATATTA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001289158

Insert Size: 1803 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).

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_001289158.1](#)

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: 66.8 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]

Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. This results in a shorter isoform (2), compared to isoform 1.