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Product datasheet for SC336617

EMR3 (ADGRE3) (NM_001289159) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EMR3 (ADGRE3) (NM_001289159) Human Untagged Clone
Tag:	Tag Free
Symbol:	EMR3
Synonyms:	EMR3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>SC336617 representing NM_001289159.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAGGGACCATTGCTTCTTCCAGGCCTCTGCTTTCTGCTGAGCCTCTTTGGAGCTGTGACTCAGAAA
ACCAAAACTTCCTGTGCTAAGTGCCCCCCAAATGCTTCCTGTGTCAATAACACTCACTGCACCTGCAAC
CATGGATATACTTCTGGATCTGGGCAGAAACTATTCACATTCCCCTTGGAGACATGTAACGCTATTGAA
ACTCAAGCGATTACAGACAATTGCTCTGAAGAAAGAAAGACATTCAACTTGAACGTCCAAATGAACTCA
ATGGACATCCGTTGCAGTGACATCATCCAGGGAGACACACAAGGTCCCAGTGCCATTGCCTTTATCTCA
TATTCTTCTCTTGGAAACATCATAAATGCAACTTTTTTTGAAGAGATGGATAAGAAAGATCAAGTGTAT
CTGAACTCTCAGGTTGTGAGTGCTGCTATTGGACCCAAAAGGAACGTGTCTCTCTCCAAGTCTGTGACG
CTGACTTTCCAGCACGTGAAGATGACCCCCAGTACCAAAAAGGTCTTCTGTGTCTACTGGAAGAGCACA
GGGCAGGGCAGCCAGTGGTCCAGGGATGGCTGCTTCCTGATACACGTGAACAAGAGTCACACCATGTGT
AATTGCAGTCACCTGTCCAGCTTCGCTGTCCTGATGGCCCTGACCAGCCAGGAGGAGGATCCCGTGCTG
ACTGTCATCACCTACGTGGGGCTGAGCGTCTCTCTGCTGTGCCTCCTCCTGGCGGCCCTCACTTTTCTC
CTGTGTAAAGCCATCCGGAACACCAGCACCTCACTGCATCTGCAGCTCTCGCTCTGCCTCTTCCTGGCC
CACCTCCTCTTCCTCGTGGGGATTGATCGAACTGAACCCAAGGTGCTGTGCTCCATCATCGCCGGTGCT
TTGCACTATCTCTACCTGGCCGCCTTCACCTGGATGCTGCTGGAGGGTGTGCACCTCTTCCTCACTGCA
CGGAACCTGACAGTGGTCAACTACTCAAGCATCAATAGACTCATGAAGTGGATCATGTTCCCAGTCGGC
TATGGCGTTCCCGCTGTGACTGTGGCCATTTCTGCAGCCTCCTGGCCTCACCTTTATGGAACTGCTGAT
CGATGCTGGCTCCACCTGGACCAGGGATTCATGTGGAGTTTCCTTGGCCCAGTCTGTGCCATTTTCTCT
GCGAATTTAGTATTGTTTATCTTGGTCTTTTGGATTTTGAAAAGAAAACTTTCCTCCCTCAATAGTGAA
GTGTCAACCATCCAGAACACAAGGATGCTGGCTTTCAAAGCAACAGCTCAGCTCTTCATCCTGGGCTGC
ACATGGTGTCTGGGCTTGCTACAGGTGGGTCCAGCTGCCCAGGTCATGGCCTACCTCTTCACCATCATC
AACAGCCTCCAAGGCTTCTTCATCTTCTTGGTCTACTGCCTCCTCAGCCAGCAGGTCCAGAAACAATAT
CAAAAGTGGTTTAGAGAGATCGTAAAATCAAAATCTGAGTCTGAGACATACACACTTTCCAGCAAGATG
GGTCCTGACTCAAAACCCAGTGAGGGGGATGTTTTTCCAGGACAAGTGAAGAGAAAATATTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

ACCN: NM_001289159

Insert Size: 1581 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_001289159.1
RefSeq Size:	2045 bp
RefSeq ORF:	1581 bp
Locus ID:	84658
UniProt ID:	Q9BY15
Cytogenetics:	19p13.12
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
MW:	58.4 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 (3) lacks three alternate in-frame exons in the 5' coding region, compared to variant 1. This results in a shorter isoform (3), compared to isoform 1.