

Product datasheet for **SC306522**

EMR2 (ADGRE2) (NM_152918) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EMR2 (ADGRE2) (NM_152918) Human Untagged Clone
Tag:	Tag Free
Symbol:	EMR2
Synonyms:	CD312; EMR2; VBU
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC306522 representing NM_152918.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGGAGGCCCGCTTTTCTCGTCTTTCTCGCATTCTGTGTCTGGCTGACTCTGCCGGGAGCTGAAACC
CAGGACTCCAGGGGTGTGCCCGGTGGTGCCCTCAGGACTCCTCGTGTGTCAATGCCACCGCCTGTGCGC
TGCAATCCAGGGTTCAGCTCTTTTCTGAGATCATCACCACCCCATGGAGACTTGTGACGACATCAAC
GAGTGTGCAACACTGTCGAAAGTGCATGCGGAAAATTCTCGGACTGCTGGAACACAGAGGGGAGCTAC
GACTGCGTGTGCAGCCAGGATATGAGCCTGTTTCTGGGGCAAAAACATTCAAGAATGAGAGCGAGAAC
ACGTGTCAAGATATGACTTTCTCCACCTGGACCCCGCCCTGGAGTCCACAGCCAGACGCTTTCCCGA
TTCTTCGACAAAGTCCAGGACCTGGGCAGAGACTACAAGCCAGGCTTGGCCAATAACACCATCCAGAGC
ATCTTACAGGCGCTGGATGAGCTGCTGGAGGCCCTGGGACCTGGAGACCCTGCCCGCTTACAGCAG
CACTGTGTGGCCAGTCACTGCTGGATGGCCTAGAGGATGTCCTCAGAGGCTGAGCAAGAACCTTTCC
AATGGGCTGTTGAACTTCACTTATCCTGCAGGCACAGAATTGTCCTGGAGGTGCAAGAAGTAGAC
AGGAGTGTCACTTGGAGACAGAATCAGGACGTGATGCAGCTCGACTGGAATCAGGCACAGAAATCTGGT
GACCCAGGCCCTTCTGTGGTGGCCCTTGTCTCCATTCCAGGGATGGGCAAGTTGCTGGCTGAGGCCCT
CTGGTCTGGAACCTGAGAAGCAGATGCTTCTGCATGAGACACACCAGGGCTTGTGTCAGGACGGCTCC
CCCATCTGCTCTCAGATGTGATCTCTGCCCTTCTGAGCAACAACGACACCCAAAACCTCAGTCCCA
GTTACCTTCACTTCTCCACCGTTCACTGATCCCAGACAGAAGGTGCTCTGTGTCTTCTGGGAGCAT
GGCCAGAATGGATGTGGTCACTGGGCCACCACAGGCTGCAGCACAAATAGGCACCAGAGACACCAGCACC
ATCTGCCGTTGCACCCACCTGAGCAGCTTGGCGTCTCATGGCCACTACGATGTGCAGGAGGAGGAT
CCCGTGTGACTGTCATCACCTACATGGGGTGGAGCGTCTCTGCTGTGCCTCCTCTGGCGGCCCTC
ACTTTTCTCCTGTGTAAGCCATCCAGAACCAGCACCTCACTGCATCTGCAGCTCTCGCTCTGCCTC
TTCTGGCCACCTCCTCTTCTCGTGGCAATTGATCAAACCGGACACAAGGTGCTGTGCTCCATC
GCCGTACCTTGCACTATCTCTACCTGGCCACCTTGACCTGGATGCTGCTGGAGGCCCTGTACCTTTC
CTCACTGCACGGAACCTGACGGTGGTCACTACTCAAGCATCAACAGATTCATGAAGAAGCTCATGTTT
CCTGTGGGCTACGGAGTCCCAGCTGTGACAGTGGCCATTTCTGCAGCCTCCAGGCCTCACCTTTATGGA
ACACCTTCCCGCTGCTGGCTCCAACCAGAAAAGGATTTATATGGGGCTTCTTGGACCTGTCTGCGCC
ATCTTCTCTGTGAATTTAGTTCTCTTTCTGGTACTCTCTGGATTTTAAAAACAGACTCTCTCCCTC
AATAGTGAAGTGTCCACCCTCCGGAACACAAGGATGCTGGCATTAAAGCGACAGCTCAGCTGTTATC
CTGGGCTGCACGTGGTGTCTGGGCATCTTGCAGGTGGTCCGGCTGCCCGGTATGGCCTACCTCTTC
ACCATCATCAACAGCCTGCAGGGTGTCTTCATCTTCTGGTGTACTGCCTCCTCAGCCAGCAGGTCGG
GAGCAATATGGGAAATGGTCCAAGGGATCAGGAAATGAAAACAGTGTGAGATGCACACACTCTCC
AGCAGTGTAAAGGCTGACACCTCCAAACCCAGCACGGTTAACTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

Restriction Sites: SgfI-MluI

Plasmid Map: □

ACCN: NM_152918

Insert Size: 2046 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_152918.1
RefSeq Size:	6345 bp
RefSeq ORF:	2046 bp
Locus ID:	30817
Cytogenetics:	19p13.12
Protein Families:	Druggable Genome, GPCR, Transmembrane
MW:	74.9 kDa
Gene Summary:	<p>This gene encodes a member of the class B seven-span transmembrane (TM7) subfamily of G-protein coupled receptors. These proteins are characterized by an extended extracellular region with a variable number of N-terminal epidermal growth factor-like domains coupled to a TM7 domain via a mucin-like spacer domain. The encoded protein is expressed mainly in myeloid cells where it promotes cell-cell adhesion through interaction with chondroitin sulfate chains. This gene is situated in a cluster of related genes on chromosome 19. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2012]</p> <p>Transcript Variant: This variant (4) lacks an in-frame segment of the coding region compared to variant 1. The resulting isoform (d) is shorter than isoform a.</p>