

Product datasheet for **SC333030**

EMR2 (ADGRE2) (NM_001271052) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EMR2 (ADGRE2) (NM_001271052) Human Untagged Clone
Tag:	Tag Free
Symbol:	EMR2
Synonyms:	CD97; CD312; EMR2; VBU
Vector:	pCMV6-Entry (PS100001)



[View online »](#)

Fully Sequenced ORF: >SC333030 representing NM_001271052.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGGAGGCCGCGTCTTTCTCGTCTTTCTCGCATTCTGTGTCTGGCTGACTCTGCCGGGAGCTGAAACC
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AAACCCAGCACGGTTAACTAG
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001271052

Insert Size: 2298 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_001271052.1](#)

RefSeq Size: 6024 bp

RefSeq ORF: 2298 bp

Locus ID: 30817

UniProt ID: [Q9UHX3](#)

Cytogenetics: 19p13.12

Protein Families: Druggable Genome, GPCR, Transmembrane

MW: 84.1 kDa

Gene Summary: 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]

Transcript Variant: This variant (8) differs in the 5' UTR and lacks an alternate in-frame exon in the coding region, compared to variant 1. The encoded isoform (h) is shorter than isoform a.

Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.