

## Product datasheet for **SC115222**

### EMR2 (ADGRE2) (NM\_013447) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EMR2 (ADGRE2) (NM_013447) Human Untagged Clone
Tag:	Tag Free
Symbol:	EMR2
Synonyms:	CD97; CD312; EMR2; VBU
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for NM_013447 edited
GAATTCGGCACCAGCAGCCCTGTCCCACTACTCTTCCCTGCCGCTCCTGCCGGCAGC
TCAGCTGGAACCATGGGAGGCCGCTCTTCTCGTCTTCTCGCATTCTGTGTCTGGCTG
ACTCTGCCGGGAGCTGAAACCCAGGACTCCAGGGGCTGTGCCCGTGGTCCCTCAGGAC
TCCTCGTGTGTCAATGCCACCGCTGTGCGTGAATCCAGGGTTCAGCTCTTTTTCTGAG
ATCATCACCCATGGAGACTTGTGACGACATCAACGAGTGTGCAACACTGTGCGAAA
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AGCCCAGGATATGAGCCTGTTTCTGGGGCAAAAACATTCAAGAATGAGAGCGAGAACAG
TGTCAAGATGTGGACGAATGTCAGCAGAACCAGGCTCTGTAAGGCTACGGCACCTGC
GTCAACACCCCTTGGCAGCTATACCTGCCAGTGCCTGCCTGGCTTCAAGTTCATACCTGAG
GATCCGAAGGTCTGCACAGATGTGAATGAATGCACCTCCGGACAAAACCCATGCCACAGC
TCCACCCACTGCCTCAACAACGTGGGCAGCTATCAGTCCCGTCCCGCCCGGGTGGCAA
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ACGCTTTCCCGATTCTTGCAGAAAGTCCAGGACCTGGGCAGAGACTACAAGCCAGGCTTG
GCCAATAACACCATCCAGAGCATTTACAGGCGCTGGATGAGCTGCTGGAGGTCCCTGGG
GACCTGGAGACCTGCCCGCTTACAGCAGCACTGTGTGGCCAGTCACTGCTGGATGGC
CTAGAGGATGTCTCAGAGGCTGAGCAAGAACCTTCCAATGGGCTGTTGAACTTCAGT
TATCCTGCAGGCACAGAATTGTCCCTGGAGGTGCAGAAGCAAGTAGACAGGAGTGCACC
TTGAGACAGAATCAGGCAGTGTGACAGCTCGACTGGAATCAGGCACAGAAATCTGGTGAC
CCAGGCCCTTCTGTGGTGGCCCTTGTCTCCATTCCAGGGATGGGCAAGTGTCTGGTGTGAG
GCCCTCTGGTCTGGAACCTGAGAAGCAGATGCTTCTGATGAGACACACAGGCTTG
CTGCAGGACGGCTCCCCATCCTGCTCTCAGATGTGATCTCTGCCTTTCTGAGCAACAAC
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ACCACAGGCTGCAGCACAATAGGCACCAGAGACACCAGCACCATCTGCCGTTGCACCCAC
CTGAGCAGCTTTGCCGCTCATGGCCACTACGATGTGCAGGAGGAGGATCCCGTGTG
ACTGTCATCACCTACATGGGCTGAGCGTCTCTGCTGTGCCTCCTCTGGCGGCCCTC
ACTTTTCTCCTGTGTAAGCCATCCAGAACACCAGCACCTCACTGCATCTGCAGCTCTCG
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AGGAAATTGAAAACCTGAGTCTGAGATGCACACACTCTCCAGCAGTGTAAAGGCTGACACC
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AGATCCCATCTTACAAAAAATAAAAAATAAAAAATAGCCAGACATGGTGGCATAACCTG
TAGTCCCAGCTACTCCTCGGGAGGCTGAGGTGGGACAXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXACTCGAC
    
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_013447 unedited</p> <pre> CCCCCCCCNNGNNCCCCNNANANANTNACCCGTTCAAAATTGTAACCATCATATAGGC GGCCGCGAAATTCGCACCAGCAGCCCTGTCCCCTCACTCTTTCCCTGCCGTCCTGCC GGCAGCTCAGCTGGAACCATGGGAGGCCGCTTTCTCGTCTTTCTCGCATTCTGTGTC TGGCTGACTCTGCCGGGAGCTGAAACCCAGGACTCCAGGGGCTGTGCCGGTGGTGCCT CAGGACTCCTCGTGTCAATGCCACCCGCTGTGCTGCAATCCAGGGTTCAGCTCTTTT TCTGAGATCATCACCCCCATGGAGACTTGTGACGACATCAACGAGTGTGCAACTG TCGAAAGTGTATGCGGAAAATTCTCGGACTGCTGGAACACAGAGGGGAGCTACGACTGC GTGTGCAGCCAGGATATGAGCCTGTTTCTGGGCAAAAACATTCAAGAATGACAGCGAG AACACGTGTCAAGATGTGGACGAATGTCAGCAGAACCCAAAGGCTCTGTAAGGCTACGGC ACCCTGCGTCAACACCCTTGGCAGCTATACCTGCCAGTGCCTGCCTGGCTTCAAGTTCA TACCCTGAGGATCCGAAGTCTGCACACATGCGAATGAATGCCACCTCCCGGGACAAAAC CCATGCCACAGCTCCACCCTTGCCTAAACAACCTGGGAGCTATTGTCGCCCTTCC GCCCGGCTGGACCCCAATCCGGGGTCCCCCATGGCCCAACAATACCGCCCTGGGA AAATTTGGACAAATGCACCTCCCGGCAACATCACGGTAACACCCCACTGCTGTTCAA CAACGTGGGGTTCAACCAGCTGGCTTGCGCCAGCCTGAAAGCCAAAACCCGAATTC CCCAATAACAAAAGGACTGTTTTGG </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_013447 unedited</p> <pre> T TACTATGACCGCGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTT TT TTGTTGCCTGGGCTGGAAGGCAAGGGCATAAACATGGTTAAATAAAGCCTAAACCTACTG GGCTAAAGGGATTGCCACCTAACCTCCCGAGGAAAATCTGGAACACAGGGGTATGC CACCATGGCGGGCTAATTTTTATTTTTATTTTTGAAAAAAGGGATCTTGCTTTTTTGC CCAAGGTCATTTTGCCTCCTGGCCTAAGGGGATCCTTTTGCCTAGGCCCCCAAATGCT GGAATAACAAGGATGCTGGAATAACAGGCTATAACGTGCTGGGTTTGGAGGGGTCACCCT TACCACTGCTGGAAGGGGGGGCATCTAAACTCAGTTTTAAATCCCTGACCCCTTGG ACCCTTCCCAAATTGCTCCCGACCTGCTGGCTGAGGAGGCCCTCCACCAGGAAAATGA AAACACCTTTCAGGCTTTAATAATGGTAAAAGGTAGGCCATAACCCGGGCATCCGGAC CCACTTGAAAAAGCCCCAACCCCTGCACCCCAAAATGAACAGCTGAACTGCCCTT TAAACGCCACCATTCTTGTGTTCCCGAGGGGTGCAACCTTTCCTTTTTGAAGGGGGGAG AATCTTTTTTTTTAAAACCCCAAGAGGCCCCCAAGAAAAACCTATTTCCCCNAAAAA AATGGCCCAACCGGCACCAGGAAACCCCATATAAAATCCCTTTTTGGTTGAACCCA CCCCGGAAAGTGGTCCATAAAGGAGAAGGCCGGAGGCTTAAAAAAGCCCATGGCCAC ATTGGACATCCGTACCCACAGGACACAAACTCTTAAAAAATCGGAGACCCTGAACAA TACCCACCCAGGGTT </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_013447
<b>Insert Size:</b>	3500 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_013447.2</a> , <a href="#">NP_038475.2</a>
<b>RefSeq Size:</b>	6771 bp
<b>RefSeq ORF:</b>	2472 bp
<b>Locus ID:</b>	30817
<b>UniProt ID:</b>	<a href="#">Q9UHX3</a>
<b>Cytogenetics:</b>	19p13.12
<b>Domains:</b>	GPS, 7tm_2, EGF_CA, EGF, EGF
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Gene Summary:</b>	<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 (1) represents the longer transcript and encodes the longer 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.</p>