

## Product datasheet for SC113515

### PECR (NM\_018441) Human Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | PECR (NM_018441) Human Untagged Clone   |
| Tag:                      | Tag Free  |
| Symbol:                   | PECR  |
| Synonyms:                 | DCRRP; HPDHASE; HSA250303; PVIARL; SDR29C1; TERP  |
| Mammalian Cell Selection: | None  |
| Vector:                   | <u>pCMV6-XL5</u>  |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| Fully Sequenced ORF:      | >OriGene ORF within SC113515 sequence for NM_018441 edited (data generated by NextGen Sequencing) |

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ATGGCCTCCTGGGCTAAGGGCAGGAGCTACCTGGCGCCTGGTTTGTGTCAGGGCCAAGTG
GCCATCGTCACCGCGGGGCCACGGGCATCGGAAAAGCCATCGTGAAGGAGCTCCTGGAG
CTGGGGAGTAATGTGGTCATTGCATCCCGTAAGTTGGAGAGATTGAAGTCTGCGGCAGAT
GAACTGCAGGCCAACCTACCTCCCACAAAGCAGGCACGAGTCATTCCCATAACAATGCAAC
ATCCGGAATGAGGAGGAGGTGAATAATTTGGTCAAATCTACCTTAGATACTTTTGGTAAG
ATCAATTTCTTGGTGAACAATGGAGGAGGCCAGTTTCTTCCCCTGCTGAACACATCAGT
TCTAAGGGATGGCAGCTGTGCTTGAGACCAACCTGACGGGTACCTTCTACATGTGCAAA
GCAGTTTACAGCTCCTGGATGAAAGAGCATGGAGGATCTATCGTCAATATCATTGTCCT
ACTAAAGCTGGATTTCCATTAGCTGTGCATTCTGGAGCTGCAAGAGCAGGTGTTTACAAC
CTACCAAATCTTTAGCTTTGGAATGGGCTGCAAGTGAATACGGATCAATTGTGTTGCC
CCTGGAGTTATTTATCCAGACTGCTGTGGAGAACTATGGTTCCCTGGGGACAAAGCTTC
TTTGAAGGGTCTTTTCAGAAAATCCCCGCTAAACGAATTGGTGTTCCTGAGGAGGTCTCC
TCTGTGGTCTGCTTCTACTGTCTCCTGCAGCTTCTTCATCACTGGACAGTCGGTGGAT
GTGGATGGGGGCCGGAGTCTCTATACTCACTCGTATGAGGTACCAGATCATGACAACCTGG
CCCAAGGGAGCAGGGGACCTTTCTGTTGTCAAAAAGATGAAGGAGACCTTTAAGGAGAAA
GCTAAGCTCTGA
```

Clone variation with respect to NM\_018441.5



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**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_018441 unedited  
TGAAGTTCAGATATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGCCCA  
GAAGGCCTGCGCTCAGCTGCTCTGGCACCCCGCTGCAGGGATGGCCTCCTGGGCTAAGGG  
CAGGAGCTACCTGGCGCTGTTTGGCTGCAGGGCCAAGTGCCATCGTCACCGCGGGGC  
CACGGGCATCGGAAAAGCCATCGTGAAGGAGCTCCTGGAGCTGGGAGTAATGTGGTCAT  
TGCATCCCCTAAGTTGGAGAGATTGAAGTCTGCGGCAGATGAAGTGCAGGCCAACCTACC  
TCCCACAAGCAGGCACGAGTCATTCCCATAACAATGCAACATCCGGAATGAGGAGGAGGT  
GAATAATTTGGTCAAATCTACCTTAGATACTTTTGGTAAGATCAATTTCTTGGTGAACAA  
TGGAGGAGGCCAGTTTCTTTCCCTGCTGAACACATCAGTTCTAAGGGATGGCACGCTGT  
GCTTGAGACCAACCTGACGGGTACCTTCTACATGTGCAAAGCAGTTTACAGCTCCTGGAT  
GAAAGAGCATGGAGGATCTATCGTCAATATCATTGTCCCTACTAAAGCTGGATTTCATT  
AGCTGTGCATTCTGGAGCTGCAAGAGCAGGTGTTACAACCTCACAAATCTTTAGCTTT  
GGAATGGGCTGCAGTGAATACGGATCAATTGTGTTGCCCTGGAGTTATTTATCCCA  
GACTGCTGTGGAACTATGGTTCCTGGGACAAAGCTTCTTTGAAGGTCTTTTCAGAA  
AATCCCCGCTTAACGAATTGGTGTCTCTGAGGAGTCTCTCTGGGGTCTGCTTCCCCT  
GTCTCCTGGAATTCCTCATCACTGGACAGTCGGGGGAGTTGGATGGGGG

**3' Read Nucleotide Sequence:** >OriGene 3' read for NM\_018441 unedited  
GTACGCGGCCGATTCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGAATTAAGAGAATTTA  
TACAAATTTGACTTCATAAACAAGAACTATACATCAATAATTACCATAAGGCATTAT  
TGCTCCTAAAGTATTTGCCACAAAATAAGTCATTGTATAATTCTAATTTTAATAATCT  
TAATTACGACACAATTTAGGTTTATTTTCTACCTTTATAATTTTGTGTTGTTGTTGTT  
TTTGTTTTTTGGGTTTTTTTTGAGATGCAGTCTACTCTGTAGCCAGGCTGGACTGCAG  
TAGCATGATCTCAGCTCACTGCAACCTCTGCTTCTGGGTCAAGCGATCCTCCTGCCTC  
AGCTCCCAAGTACCTGGGACTACAGGTGTGTGCCACCACCCGACTAATTTGTGTTTT  
TGTTTTGCTGTTTTTTCAGTAGAGACAGGGTTTTACCATGTTGGCCAGCCTGGCCTTGAA  
CTCCTGACCTCAACTGACCCGCCTACCTCGGGCTCCCAAAGTGCTGGAATTACACGCGTG  
AGCCCACTGCGTCTGGCCTCTACCTCACACTAAATAATAAAATCTTCTGGGAGTTTCATG  
ATCCCTCAAATCTCATCTGATCAAAATATCCCTCTCTCAAATCTCTCCTCAAATCAC  
AGTCAACTACTCAAATCTGCTCATTCTGCCCCCTCACTTTCTTAACCCCGCCCAAA  
AACTCCTTGGCACCCACCACCGCATATATTTCCGAACTTTTCTCCATCATCTCTC  
CATAACCCCTCCAATAGCTCACCTCTCTCCCTAACAACTCTAGCCTTCAACCCCCCTC  
CATCTCTATTCCCGCACACCCCAAGATTCCGGTGCATCCCGACACCTTATCCCTCCTCT  
CTATTCATCCCATTTACCTATAGCGATGACACCTATTTCTATCATCATAATGCACCACG

**Restriction Sites:** NotI-NotI

**ACCN:** NM\_018441

**Insert Size:** 1860 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).

|                               |   |
|-------------------------------|---|
| <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_018441.2</a> , <a href="#">NP_060911.2</a>   |
| <b>RefSeq Size:</b>           | 1922 bp   |
| <b>RefSeq ORF:</b>            | 912 bp  |
| <b>Locus ID:</b>              | 55825   |
| <b>UniProt ID:</b>            | <a href="#">Q9BY49</a>  |
| <b>Cytogenetics:</b>          | 2q35  |
| <b>Domains:</b>               | adh_short   |
| <b>Protein Families:</b>      | Druggable Genome  |
| <b>Protein Pathways:</b>      | Biosynthesis of unsaturated fatty acids   |
| <b>Gene Summary:</b>          | Participates in chain elongation of fatty acids. Has no 2,4-dienoyl-CoA reductase activity. [UniProtKB/Swiss-Prot Function]   |