

Product datasheet for **RG200822**

PECR (NM_018441) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PECR (NM_018441) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PECR
Synonyms:	DCRRP; HPDHASE; HSA250303; PVIARL; SDR29C1; TERP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200822 representing NM_018441 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTCCTGGGCTAAGGGCAGGAGCTACCTGGCGCCTGGTTTGTGTCAGGGCCAAGTGGCCATCGTCA
CCGGCGGGGCCACGGGCATCGGAAAAGCCATCGTGAAGGAGCTCCTGGAGCTGGGAGTAATGTGGTCAT
TGCATCCCGTAAGTTGGAGAGATTGAAGTCTGCGGCAGATGAACTGCAGGCCAACCTACCTCCACAAAAG
CAGGCACGAGTCATTCCCATACAATGCAACATCCGGAATGAGGAGGAGTGAATAATTTGGTCAAATCTA
CCTTAGATACTTTTGGTAAGATCAATTTCTTGGTGAACAATGGAGGAGGCCAGTTTCTTTCCCTGCTGA
ACACATCAGTTCTAAGGGATGGCAGCTGTGCTTGAACCAACCTGACGGGTACCTTCTACATGTGCAAA
GCAGTTTACAGCTCCTGGATGAAAGAGCATGGAGGATCTATCGTCAATATCATTGTCCCTACTAAAGCTG
GATTTCCATTAGCTGTGCATTCTGGAGCTGCAAGAGCAGGTGTTTACAACCTCACCAAATCTTTAGCTTT
GGAATGGGCTGCAGTGGAAACGGATCAATTGTGTTGCCCTGGAGTTATTTATCCCAGACTGCTGTG
GAGAACTATGGTTCTGGGGACAAAGCTTCTTTGAAGGTCTTTTCAGAAAATCCCCGCTAAACGAATTG
GTGTTCTGAGGAGTCTCCTCTGTGGTCTGCTTCTACTGTCTCCTGCAGCTTCTTTCATCACTGGACA
GTCAGTGGATGTGGATGGGGCCGGAGTCTCTATACTCACTCGTATGAGGTACCAGATCATGACAACCTGG
CCAAGGGAGCAGGGGACCTTTCTGTTGTCAAAAAGATGAAGGAGACCTTTAAGGAGAAAGCTAAGCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG200822 representing NM_018441
 Red=Cloning site Green=Tags(s)

MASWAKGRSYLAPGLLQGQVAIVTGGATGIGKAIVKELLELSNVVIASRKLRLKSAADELQANLPPTK
 QARVIPIQCNIRNEEEVNNLVKSTLDTFGKINFLVNNGGQFLSPAEHISKGWHAVLETNLGTGFYMCK
 AVYSSWMKEHGGSIVNIIVPTKAGFPLAVHSGAARAGVYNLTKSLALEWACSGIRINCVAPGVIYSQTAV
 ENYGSWGQSF FEFSFQKIPAKRIGVPEEVSSVVCFLLSPAASFITGQSVDVDGGRSLYTHSYEVPDHDNW
 PKGAGDLSVVKMKETFKKAKL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_018441

ORF Size: 909 bp

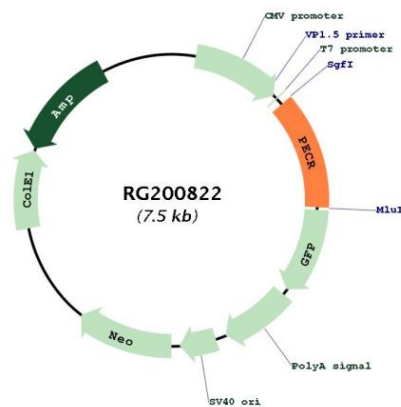
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_018441.2</u> , <u>NP_060911.2</u>
RefSeq Size:	1863 bp
RefSeq ORF:	912 bp
Locus ID:	55825
UniProt ID:	<u>Q9BY49</u>
Cytogenetics:	2q35
Domains:	adh_short
Protein Families:	Druggable Genome
Protein Pathways:	Biosynthesis of unsaturated fatty acids
Gene Summary:	Participates in chain elongation of fatty acids. Has no 2,4-dienoyl-CoA reductase activity. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG200822