

## Product datasheet for MR204233

### Pecr (NM\_023523) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pecr (NM_023523) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pecr
Synonyms:	2400003B18Rik; TERP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204233 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCTCTTGGAACTGGTCAGAGCTACCTAGCGGCCGGTGTGCTGAAGAACCAAGTGGCCGTGGTCA  
CCGGCGGGGGCACAGGCATTGAAAAGCCGTCTCCGGGAGCTCCTGCACCTGGGGTGAACGTGGTCAT  
TGCTTCCCGAAGCTGGACAGACTAACTGCTGCTGTGGATGAAGTGAAGAGCCTCTCTGCCTCCCTCCAGC  
TCCGCTGAAGTCTCCGCCATACAGTCAACATCAGGAAAGAAGAAGAGGTGAGTAATCTGGTCAAATCTA  
CCTTAGCTAAGTATGGTAAGATCAACTTCTTGGTCAACAATGGAGGAGGCCAGTTCATGGCTCCTGTGGA  
AGACATCACTGCGAAGGGATGGCATGCTGTGATAGAAACCAACCTGACAGGCACCTTCTACATGTGCAAA  
GAAGTTTACAATTCCTGGATGAGAGAGCACGGAGGGTTCGATTGTCAATATCATTGTCTTCTTAATAATG  
GGTTTCCAACAGCCGCGCACACTGGAGCGCAAGAGAAGGTGTTTACAACCTCACAAAATCCATGGCTTT  
GGCGTGGGCCAGCAGCGGAGTGAGGATCAACTGTGTCGCTCCTGGGACATTTACTCCCAGACTGCTGTT  
GACAACTATGGCGAAATGGGACAAACCTTATTTGAGATGGCCTTTGACAGTATCCCAGCTAAGCGCCTTG  
GAGTCCCCGAGGAGATCTCCCCTCTGGTATGTTTCTGCTGTCCCTGCGGCTTCTATATCACTGGACA  
GTTGATCAATGTGGATGGAGGCCAGGCTCTGTACTCACGCCTCAGCATACCGGATCATGACAACCTGG  
CCTGTAGGAGCTGGGACCTTTCTATTGTCAAGAGGATAAAGGAATCTTTTAAGAAGAAAGCCAAGCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR204233 protein sequence  
Red=Cloning site Green=Tags(s)

MGSWKTGQSYLAAGLLKNQVAVVTGGGTGIGKAVSRELLHLGCNVVIASRKLDRDLTAAVDELRASLPPSS  
 SAEVSAIQCNIRKEEEVSNLVKSTLAKYGKINFLVNNGGGQFMAPVEDITAKGWHAVIETNLGTGFYMCK  
 EVYNSWMREHGGGSIVNIIVLLNNGFPTAAHTGAAREGVNLTKSMALAWASSGVRINCVAPGTIYSQTAV  
 DNYGEMGQTLFEMAFDSIPAKRLGVPEEISPLVCFLLSPAASYITGQLINVDGGQALYTHAFSIPDHDNW  
 PVGAGDLSIVKRIKESFKKKAKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_023523

**ORF Size:** 912 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:**

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\\_023523.6](#)

**RefSeq Size:** 1205 bp

**RefSeq ORF:** 912 bp

**Locus ID:** 111175

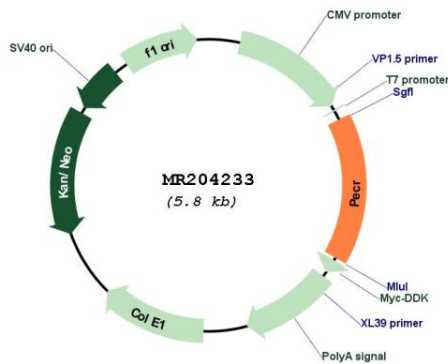
**UniProt ID:** [Q99MZ7](#)

**Cytogenetics:** 1 36.46 cM

**MW:** 32.4 kDa

**Gene Summary:** Participates in chain elongation of fatty acids. Has no 2,4-dienoyl-CoA reductase activity (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR204233