

Product datasheet for **MC215985**

Porcn (NM_016913) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Porcn (NM_016913) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Porcn
Synonyms:	2410004O13Rik; AW045557; DXHXS7465e; Mg61; mMg61; Mporc; porc; Ppn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC215985 representing NM_016913
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCACCTTCAGCCGCCAGGAATTTTCCAGCAGCTACTGCAGGGCTGTCTCCTGCCTACTGTCCAAC
 AGGGCCTTGACCAGATCTGGCTGCTTCTTACCATCTGCTTCGCCCTGCCGCTCCTTTGGAGGCTGGGGTT
 ACCGTCTTACCTGAAGCATGCAAGCACCGTGGCAGGTGGCTTCTTCAGCCTCTACCACTTCTCCAGCTG
 CACATGGTTTGGGTCGTGCTGCTGAGCCTCCTGTGCTACCTCGTGTCTTCTCTGCCGACACTCCTCCC
 ACCGAGGCGTCTTCTCTCCGTACCATCTCATCTACCTGCTCATGGGTGAGATGCACATGGTGGACAC
 CGTGACATGGCACAAGATGCGAGGGGCCAGATGATCGTGGCCATGAAGGCGGTGTCTCTGGGCTTCGAC
 CTGGACCGGGGCGAGGTGGGTGCAGTGCCTCACCTGTGGAGTTCATGGGCTACCTCTACTTTGTGGCA
 CCATCGTCTTTGGGCCCTGGATATCCTTCCACAGCTACCTACAGGCTGTCCAAGGCCGCCACTGAGCCG
 CCGATGGCTGAAGAAGGTGGCCCGAGCCTGGCGCTGGCCCTGCTGTGCCTTGTACTGTCCACTTGTGTG
 GGCCCTACCTCTCCCTACTTCATCCCCTCGACGGTGACCGACTCCTTCGCAAGTGGCTACGAGCCT
 ACGAGAGTGTGTCTCCTTCCACTTCAGCAACTATTTTGTGGGCTTTCTGTCTGAGGCCACAGCCACATT
 GGCCGGGGCTGGCTTACGGAGGAGAAGGACCCTGGAATGGGACCTGACAGTCTCTAGACCGTTGAAT
 GTGGAGCTGCCCCGGTCCATGGTGAAGTTGTCACAAGCTGGAACCTGCCCATGTCTTATTGGTTAATA
 ATTATGTTTTCAAAAATGCCCTTCGCCTGGGGACCTTCTCTGTGTGCTGGTACCTATGCAGCCAGTGC
 CCTCTGCATGGCTTCACTTCCACCTGGCTGCTGTGCTGTCCCTGGCATTACACTTATGTGGAA
 CATGCTCCTCAGAAAGCGCTGGCTCAGATCCTCAGTGCCTGCATCTTGTCAAAGCGTTGTCTGCCAGACT
 GTTCACATCGGCATCGCTTGGGCTGGGGTACGAGCCTTAAACTTGTCTTTGGGGCCCTGGCTATCTT
 CCACCTGTCTACCTGGGCTCCCTGTTTGTATGTGATGTGGACGACACCACAGAGGAGCAGGGCTACGGC
 ATGGCATACACTGTCCACAAGTGGTCAGAGCTCAGCTGGGCCAGTCACTGGGTCACCTTTGGATGCTGGA
 TCTTCTACCGTCTCATAGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1953_d01.zip

Restriction Sites: SgfI-MluI

ACCN: NM_016913

Insert Size: 1353 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_016913.3</u> , <u>NP_058609.1</u>
RefSeq Size:	1863 bp
RefSeq ORF:	1353 bp
Locus ID:	53627
UniProt ID:	<u>Q9J1J7</u>
Cytogenetics:	X 3.7 cM
Gene Summary:	Protein-serine O-palmitoleoyltransferase that acts as a key regulator of the Wnt signaling pathway by mediating the attachment of palmitoleate, a 16-carbon monounsaturated fatty acid (C16:1), to Wnt proteins. Serine palmitoleylation of WNT proteins is required for efficient binding to frizzled receptors.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (a) encodes isoform A.