

Product datasheet for **MC216144**

Porcn (NM_145907) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Porcn (NM_145907) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Porcn
Synonyms:	2410004O13Rik; AW045557; DXHXS7465e; Mg61; mMg61; Mporc; porc; Ppn
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216144 representing NM_145907
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCACCTTCAGCCGCCAGGAATTTTCCAGCAGCTACTGCAGGGCTGTCTCCTGCCTACTGTCCAAC
 AGGGCCTTGACCAGATCTGGCTGCTTCTTACCATCTGCTTCGCCTGCCGCTCCTTTGGAGGCTGGGGTT
 ACCGTCTTACCTGAAGCATGCAAGCACCCTGGCAGGTGGCTTCTTCAGCCTCTACCACTTCTCCAGCTG
 CACATGGTTTGGGTCGTGCTGCTGAGCCTCCTGTGCTACCTCGTGTCTTCTCCTGCCGACACTCCTCCC
 ACCGAGGCGTCTTCTCCTCCGTACCATCTCATCTACCTGCTCATGGGTGAGATGCACATGGTGGACAC
 CGTGACATGGCACAAGATGCGAGGGGCCAGATGATCGTGGCCATGAAGGCGGTGTCTCTGGGCTTCGAC
 CTGGACCGGGGCGAGGTGGGTGCAGTGCCTCACCTGTGGAGTTCATGGGCTACCTCTACTTTGTGGGCA
 CCATCGTCTTTGGGCCCTGGATATCCTTCCACAGCTACCTACAGGCTGTCCAAGGCCGCCACTGAGCCG
 CCGATGGCTGAAGAAGGTGGCCCGAGCCTGGCGTGGCCCTGCTGTGCCTTGTACTGTCCACTTGTGTG
 GGCCCTACCTCTCCCTACTTTCATCCCCTCGACGGTGACCGACTCCTTCGCAAGGGCACCATGGTAA
 GGTGGCTACGAGCCTACGAGAGTGTCTCTCCTCCACTTCAGCAACTATTTTGTGGGCTTCTGTCTGA
 GGCCACAGCCACATTGGCCGGGGCTGGCTTACGGAGGAGAAGGACCACCTGGAATGGGACCTGACAGTC
 TCTAGACCGTTGAATGTGGAGCTGCCCGGTCCATGGTGAAGTTGTCAAGCTGGAACCTGCCATGT
 CTTATTGGTTAAATAATTATGTTTTCAAAAATGCCCTTCGCCTGGGGACCTTCTCTGTGTGCTGGTCCAC
 CTATGCAGCCAGTGCCCTCCTGCATGGCTTCAGTTCCACCTGGCTGCTGTGCTGTCCCTGGCATT
 ATCACTTATGTGGAACATGTCTCAGAAAGCGCCTGGCTCAGATCCTCAGTGCCTGCATCTTGTCAAAGC
 GTTGTCTGCCAGACTGTTACATCGGCATCGCTTGGCCCTGGGGTACGAGCCTTAAACTGTCTTTGG
 GGCCCTGGCTATCTTCCACCTGTCTACCTGGGCTCCCTGTTTGTATGTCGATGTGGACGACACCACAGAG
 GAGCAGGGCTACGGCATGGCATACTGTCCACAAGTGGTCAGAGCTCAGCTGGGCCAGTCACTGGGTCA
 CTTTTGGATGCTGGATCTTCTACCGTCTCATAGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_145907

Insert Size: 1368 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).

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_145907.4](#), [NP_665914.1](#)

RefSeq Size: 1882 bp

RefSeq ORF: 1368 bp

Locus ID: 53627

UniProt ID: [Q9J117](#)

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 (c) contains an alternate in-frame exon compared to variant a. The encoded isoform (C) is longer than isoform A.