

Product datasheet for SC308204

PORCN (NM_203475) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PORCN (NM_203475) Human Untagged Clone
Tag:	Tag Free
Symbol:	PORCN
Synonyms:	DHOF; FODH; MG61; PORC; PPN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_203475 edited
 ATGGCCACCTTTAGCCGCCAGGAATTTTTCCAGCAGCTACTGCAAGGCTGTCTCCTGCCT
 ACTGCCAGCAGGGCCTTGACCAGATCTGGCTGCTCCTTGCCATCTGCCTCGCCTGCCGC
 CTCTCTGGAGGCTCGGGTTGCCATCCTACCTGAAGCATGCAAGCACCGTGGCAGGCGGG
 TTCTTCAGCCTCTACCACTTCTTCCAGCTGCACATGGTTTGGGTGCTGCTCAGCCTC
 CTGTGCTACCTCGTGTCTCTCTGCCGACATTCCTCCCATCGAGGCGTCTTCTATCC
 GTCACCATCCTCATCTACCTACTCATGGGTGAGATGCACATGGTAGACACCGTGACATGG
 CACAAGATGCGAGGGGCACAGATGATTGTGGCCATGAAGGCAGTGTCTCTGGGCTTCGAC
 CTGGACCGGGGCGAGGTGGGTACGGTGCCTCGCCAGTGGAGTTCATGGGCTACCTCTAC
 TTCGTGGGCACCATCGTCTTCGGGCCCTGGATATCCTTCCACAGTACCTACAAGCTGTC
 CAAGGCCGCCACTGAGCTGCCGGTGGCTGCAGAAGGTGGCCCGAGCCTGGCACTGGCC
 CTGCTGTGCCTTTGTGCTGTCCACTTGCGTGGGCCCTACCTCTTCCCGTACTTCATCCCC
 CTCAACGGTGACCGCCTCCTTCGCAACAAGAAACGCAAAGCCAGGGGCACCATGGTAAGG
 TGGCTGCGAGCCTACGAGAGTGCTGTCTCCTTCCACTTCAGCAACTATTTTGTGGGCTTT
 CTTTCCGAGGCCACGGCCACGTTGGCGGGGGCTGGCTTTACCGAGGAGAAGGATCACCTG
 GAATGGGACCTGACGGTGTCCAAGCCACTGAATGTGGAGCTGCCTCGGTCAATGGTGAA
 GTTGTACAAGCTGGAACCTGCCCATGTCTTATTGGCTAAATAACTATGTTTTCAAGAAT
 GCTCTCCGCCTGGGGACCTTCTCGGCTGTGCTGGTACCTATGCAGCCAGCGCCCTCCTA
 CATGGCTTCAGTTTCCACCTGGCTGCGGTCTGCTGTCCCTTTTATCACTTACGTG
 GAGCATGTCTCCGGAAGCGCCTGGCTCGGATCCTCAGTGCCTGTGTCTTGTCAAAGCGG
 TGCCCGCCAGACTGTTCCGACCAGCATCGCTTGGGCTGGGGGTGCGAGCCTTAAACTTG
 CTCTTTGGAGCTCTGGCCATCTTCCACCTGGCCTACCTGGGCTCCCTGTTTGATGTCGAT
 GTGGATGACACCACAGAGGAGCAGGGCTACGGCATGGCATACACTGTCCACAAGTGGTCA
 GAGCTCAGCTGGGCCAGTCACTGGGTCACTTTTGGATGCTGGATCTTCTACCGTCTCATA
 GGCTGA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_203475 unedited</p> <pre>TAGCACAGCTACCCAAAAATAATGAGCAGCAGCAACCGGCCCGCCCTCCTGCGGCTGCGG GAGCGCTGCCCGGGGCGCAGCACGGCGGAGCGGCCCTCGCCTCAGGACCCGGCACCCCC CCCCCGATCTCCCACCTGGCCACCCACCCGCGGGAGTCCGCAACGGCCACCACTAGCCG CCAGGAATCCCCAGCAGCTACTGCAAGGCCGTACCCGCCCACTGCCAGCAGGGCCTC GACCAGACCCGGTGTCTCCCGCCACCTGCCCGCCTGCCGCCTCTCTGGAGGCTCGGG TCGCCATCCTACCTGAAGCATGCAAGCACCGTGGCAGGCGGGTTCTTCAGCCTTACCAC TCCTTCCAGCTGCACATGGTTTGGGTCGTGCTCAGCCTCCTGTGCTACCTCGTGCTG TTCCTCTGCCGACATTCTCCCATCGAGGCGTCTTCTATCCGTACCATCCTCATCTAC CTACTCATGGGTGAGATGCACATGGTAGACACCGTGACATGGCACAAGATGCGAGGGGCA CAGATGATTGTGGCCATGAAGGCAGTGTCTCTGGGCTTCGACCTGGACCGGGGCGAGGTG GGTACGGTGCCCTCGCCAGTGGAGTTCATGGGCTACCTCTACTTCGTGGGCACCATCGTC TTCGGGCCCTGGATATCCTTCCACAGCTACCTACAAGCTGTCCAAGGCCGCCCACTGAGC TGCCGGTGGCTGCAGAAGTGCCCGGAGCCTGGCACTGGCCCTGTGTGCCTTGTGCTGT CCACTTGGGTGGGCCCTACCTTCTCCCGTACTTCATCCCTCAACGGTGACCGCCTCCT TCGCACAGAAACGCAAGCCAGGGGCACCATGGTAAGGTGGCTGCGAGCCTACGAG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_203475 unedited</p> <pre>AACTTCCCGGCCAGGAGAGGCACTGGGGAGGGGTACAGGGATGCCACCCGGGATCTGTT CAGGAAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGTG AATATTTCTACTTTTATTTGACAATAACAAATGTATATAAAAAGGAAGAAGGAAGGCG GGGAGGCCCTGGATCTCCCTTCTGTTCCTTCCCAAGCATCCCTCTAGGCCCCAGCAG GCACCACCCCTTCTGCCTTGTGGTGGGGTGGGGATTGACAGGCATGAAAATGGTGTGA TTTTGT AAGGAGTANAGAGAGGGCCTTCCCTCATCCCCATCAGTGGCACCTGAGAGGGGTCTTA AGAGGGTTATGAGGGTCCACAGATGTGCCTCAGCCTATGAGACGGTAGAAGATCCAGCAT CCAAAAGTGACCCAGTACTGGCCAGCTGAGCTCTGACCACTTGTGGACAGTGTATGCC ATGCCGTANCCCTGTCTCTGGGGGGTCCATCCACATCGACATCAAACAGGGAGCCCAG GTTGGCCAGGTGGAAGATGGCCAGAGCTCCAAGAACAAGTTTAAAGGCTCGCACCCCCAG GCCCAAGCGATGCTGGTGCGAACATTCTGGCGGGCCCCGTTTTTCAAGAAACAGGCCCTG AGTTTCCACCCGGCGCTTTCGGAGACTTGCTCCCGTATG</pre>
Restriction Sites:	Please inquire
ACCN:	NM_203475
Insert Size:	1900 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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_203475.1](#), [NP_982301.1](#)

RefSeq Size: 1761 bp

RefSeq ORF: 1386 bp

Locus ID: 64840

UniProt ID: [Q9H237](#)

Cytogenetics: Xp11.23

Protein Families: Transmembrane

Protein Pathways: Wnt signaling pathway

Gene Summary: This gene belongs to the evolutionarily conserved porcupine (Porc) gene family. Genes of the porcupine family encode endoplasmic reticulum proteins with multiple transmembrane domains. Porcupine proteins are involved in the processing of Wnt (wingless and int homologue) proteins. Disruption of this gene is associated with focal dermal hypoplasia, and the encoded protein has been implicated in cancer. Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Aug 2013]
Transcript Variant: This variant (D) encodes the longest isoform (D).