

Product datasheet for SC308203

PORCN (NM_203474) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PORCN (NM_203474) Human Untagged Clone
Tag:	Tag Free
Symbol:	PORCN
Synonyms:	DHOF; FODH; MG61; PORC; PPN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308203 representing NM_203474. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCACCTTTAGCCGCCAGGAATTTTCCAGCAGCTACTGCAAGGCTGTCTCCTGCTACTGCCAG
CAGGGCCTTGACCAGATCTGGCTGCTCCTTGCCATCTGCCTCGCCTGCCGCTCCTCTGGAGGCTCGGG
TTGCCATCTACCTGAAGCATGCAAGCACCCTGGCAGGCGGGTTCTTCAGCCTCTACCCTTCTCCAG
CTGCACATGGTTTGGGTCGTGCTGCTCAGCCTCCTGTGCTACCTCGTGTCTTCTCCTGCCGACATTCC
TCCCATCGAGGCGTCTTCTATCCGTACCATCCTCATCTACCTACTCATGGGTGAGATGCACATGGTA
GACACCGTGACATGGCACAAGATGCGAGGGGCACAGATGATTGTGGCCATGAAGGCAGTGTCTCTGGGC
TTGCACCTGGACCGGGCGAGGTGGGTACGGTGCCTCGCCAGTGGAGTTCATGGGCTACCTCTACTTC
GTGGGCACCATCGTCTTTCGGGCCCTGGATATCCTTCCACAGCTACCTACAAGCTGTCCAAGGCCGCCA
CTGAGCTGCCGGTGGCTGCAGAAGGTGGCCCGGAGCCTGGCACTGGCCCTGCTGTGCCTGTGCTGTCC
ACTTGGCTGGGCCCTACCTCTTCCCGTACTTCAATCCCTCAACGGTGACCGCCTCCTTCGCAAGGGC
ACCATGGTAAGGTGGCTGCGAGCCTACGAGAGTGTCTCCTTCCACTTCAGCAACTATTTTGTGGGC
TTTCTTCCGAGGCCACGGCCACGTTGGCGGGGCTGGCTTTACCGAGGAGAAGGATCACCTGGAATGG
GACCTGACGGTGTCCAAGCCACTGAATGTGGAGCTGCCTCGGTCAATGGTGAAGTTGTCACAAGCTGG
AACCTGCCATGTCTTATTGGCTAAATAACTATGTTTTCAAGAATGCTCTCCGCTGGGGACCTTCTCG
GCTGTGCTGGTACCTATGCGCCAGCGCCTCCTACATGGCTTCAAGTTCCACCTGGCTGCGGTCCTG
CTGTCCCTGGCTTTTATCACTTACGTGGAGCATGTCTCCGGAAGCGCCTGGCTCGGATCCTCAGTGCC
TGTGTCTTGTCAAAGCGGTGCCGCCAGACTGTTGCGACCAGCATCGCTTGGGCTGGGGGTGCGAGCC
TAAACTTGCTCTTGGAGCTCTGGCCATCTTCCACCTGGCCTACCTGGGCTCCTGTTTGTGTCGAT
GTGGATGACACCAGAGGAGCAGGGCTACGGCATGGCATACTGTCCACAAGTGGTCAGAGCTCAGC
TGGGCCAGTCACTGGGTCACTTTTGGATGCTGGATCTTCTACCGTCTCATAGGCTGA
ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-Mlul
Plasmid Map:	□
ACCN:	NM_203474
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_203474.1
RefSeq Size:	1743 bp
RefSeq ORF:	1368 bp
Locus ID:	64840
UniProt ID:	Q9H237
Cytogenetics:	Xp11.23
Protein Families:	Transmembrane
Protein Pathways:	Wnt signaling pathway
MW:	51.6 kDa

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 (C) has a shorter 5' UTR, and lacks an in-frame exon in the central coding region, compared to variant D. The encoded isoform (C) is shorter, compared to isoform D.