

Product datasheet for SC335743

PORCN (NM_001282167) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PORCN (NM_001282167) 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:	>SC335743 representing NM_001282167. Blue=Insert sequence Red=Cloning site Green=Tag(s)

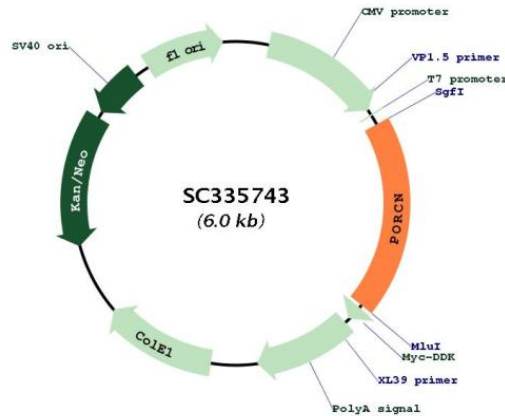
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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGTTTGGGTCGTGCTGCTCAGCCTCCTGTGCTACCTCGTGCTGTTCTCTGCCGACATTCCTCCCAT
CGAGGGCTCTTCCATCCGTCACCATCCTCATCTACCTACTCATGGGTGAGATGCACATGGTAGACACC
GTGACATGGCACAAGATGCGAGGGGCACAGATGATTGTGGCCATGAAGGCAGTGTCTCTGGGCTTCGAC
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ACCATCGTCTTCGGGCCCTGGATATCCTTCCACAGCTACCTACAAGCTGTCCAAGGCCGCCACTGAGC
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GCCTACGAGAGTGTCTCTCTTCCACTTCAGCAACTATTTTGTGGGCTTTCTTTCCGAGGCCACGGCC
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CTGAATGTGGAGCTGCCTCGGTCAATGGTGAAGTTGTCACAAGCTGGAACCTGCCCATGTCTTATTGG
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CAGGGCTACGGCATGGCATACTGTCCACAAGTGGTCAGAGCTCAGCTGGGCCAGTCACTGGTCACT
TTTGGATGCTGGATCTTCTACCGTCTCATAGGC TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_001282167

Insert Size: 1140 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_001282167.1](#)

RefSeq Size: 2018 bp

RefSeq ORF: 1140 bp

Locus ID: 64840

UniProt ID: [Q9H237](#)

Cytogenetics: Xp11.23

Protein Families: Transmembrane

Protein Pathways: Wnt signaling pathway

MW: 42.9 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 (F) differs in its 5' UTR, initiates translation from a downstream start codon, and lacks two in-frame exons in the central coding region, compared to variant D. The encoded isoform (F) is shorter, compared to isoform D.