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Product datasheet for RG205717

PORCN (NM_203473) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PORCN (NM_203473) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PORCN
Synonyms:	DHOF; FODH; MG61; PORC; PPN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG205717 representing NM_203473
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCACCTTTAGCCGCCAGGAATTTTTCCAGCAGCTACTGCAAGGCTGTCTCCTGCCTACTGCCCAGC
AGGGCCTTGACCAGATCTGGCTGCTCCTTGCCATCTGCCTCGCCTGCCGCCTCCTCTGGAGGCTCGGGTT
GCCATCCTACCTGAAGCATGCAAGCACCGTGGCAGGCGGGTTCTTCAGCCTCTACCACTTCTTCCAGCTG
CACATGGTTTGGGTCGTGCTGCTCAGCCTCCTGTGCTACCTCGTGCTGTTCCTCTGCCGACATTCCTCCC
ATCGAGGCGTCTTCCTATCCGTCACCATCCTCATCTACCTACTCATGGGTGAGATGCACATGGTAGACAC
CGTGACATGGCACAAGATGCGAGGGGCACAGATGATTGTGGCCATGAAGGCAGTGTCTCTGGGCTTCGAC
CTGGACCGGGGCGAGGTGGGTACGGTGCCCTCGCCAGTGGAGTTCATGGGCTACCTCTACTTCGTGGGCA
CCATCGTCTTCGGGCCCTGGATATCCTTCCACAGCTACCTACAAGCTGTCCAAGGCCGCCCACTGAGCTG
CCGGTGGCTGCAGAAGGTGGCCCGGAGCCTGGCACTGGCCCTGCTGTGCCTTGTGCTGTCCACTTGCGTG
GGCCCCTACCTCTTCCCGTACTTCATCCCCCTCAACGGTGACCGCCTCCTTCGCAACAAGAAACGCAAAG
CCAGGTGGCTGCGAGCCTACGAGAGTGCTGTCTCCTTCCACTTCAGCAACTATTTTGTGGGCTTTCTTTC
CGAGGCCACGGCCACGTTGGCGGGGGCTGGCTTTACCGAGGAGAAGGATCACCTGGAATGGGACCTGACG
GTGTCCAAGCCACTGAATGTGGAGCTGCCTCGGTCAATGGTGGAAGTTGTCACAAGCTGGAACCTGCCCA
TGTCTTATTGGCTAAATAACTATGTTTTCAAGAATGCTCTCCGCCTGGGGACCTTCTCGGCTGTGCTGGT
CACCTATGCAGCCAGCGCCCTCCTACATGGCTTCAGTTTCCACCTGGCTGCGGTCCTGCTGTCCCTGGCT
TTTATCACTTACGTGGAGCATGTCCTCCGGAAGCGCCTGGCTCGGATCCTCAGTGCCTGTGTCTTGTCAA
AGCGGTGCCCGCCAGACTGTTCGCACCAGCATCGCTTGGGCCTGGGGGTGCGAGCCTTAAACTTGCTCTT
TGGAGCTCTGGCCATCTTCCACCTGGCCTACCTGGGCTCCCTGTTTGATGTCGATGTGGATGACACCACA
GAGGAGCAGGGCTACGGCATGGCATACACTGTCCACAAGTGGTCAGAGCTCAGCTGGGCCAGTCACTGGG
TCACTTTTGGATGCTGGATCTTCTACCGTCTCATAGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

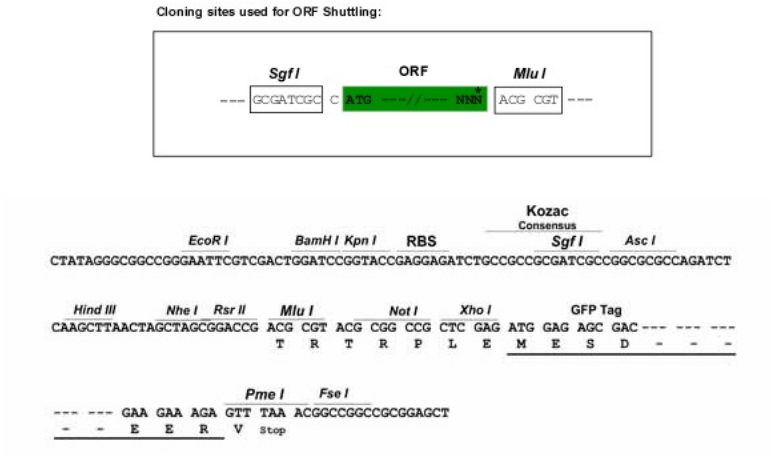
>RG205717 representing NM_203473
Red=Cloning site Green=Tags(s)

MATFSRQEFFQQLLQGCLLPTAQQGLDQIWLLLAICLACRLLWRLGLPSYLKHASTVAGGFFSLYHFFQL
HMVWVVLLSLLCYLVLFLCRHSSHRGVFLSVTILIYLLMGEMHMVDTVTWHKMRGAQMIVAMKAVSLGFD
LDRGEVGTVPSPVEFMGYLYFVGTIVFGPWISFHSYLQAVQGRPLSCRWLQKVARSLALALLCLVLSTCV
GPYLFPYFIPLNGDRLLRNKKRKARWLRAYESAVSFHFSNYFVGFLSEATATLAGAGFTEEKDHLEWDLT
VSKPLNVELPRSMVEVVTSWNLPMSYWLNNYVFKNALRLGTFSAVLVTYAASALLHGFSFHLAAVLLSLA
FITYVEHVLRKRLARILSACVLSKRCPPDCSHQHRLGLGVRALNLLFGALAIFHLAYLGSLFDVDVDDTT
EEQGYGMAYTVHKWSELSWASHWVTFGCWIFYRLIG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



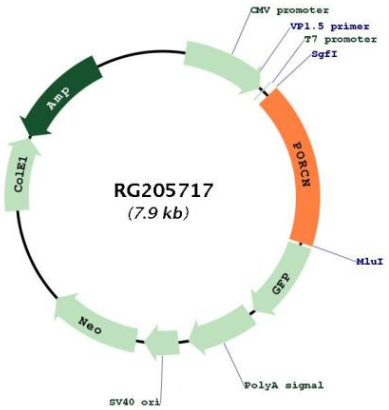
ACCN:	NM_203473
ORF Size:	1368 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_203473.3
RefSeq Size:	1867 bp
RefSeq ORF:	1371 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]

Product images:



Circular map for RG205717