

Product datasheet for SC335235

PKD1L2 (NM_001278423) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PKD1L2 (NM_001278423) Human Untagged Clone
Tag:	Tag Free
Symbol:	PKD1L2
Synonyms:	PC1L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335235 representing NM_001278423. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGGGGGAGGACTCTCCAGTGGCTATGTTGAGCTGGTATTTGGACAACACCCCAACAGAGCAGGCTGAG
 CCCCTCTGGATGCCTGCAGACTCAGAGGATTTGGCCAAGGTCCTTAACCTCCTCCAGAGCAACACC
 TCCACGTTGCTGTTGAACAGCTCGTTTCTGCAGTCCCGGGGAGAGGTCATCCGAATCAGAGCCACAGCA
 CTGACCAGGCATGCCTATGGGGAGGACACCTATGTGATCAGCACTGTGCCTCCCGTGAGGTGCCTGCC
 TGCACTATTGCCCAGAGGAGGGCACCCTTCTGACGAGCTTTGCCATCTTCTGCAACGCCTCCACAGCC
 CTGGGACCCTGGAGTTCTGCTTCTGTCTGGAATCAGTTCTGCCTACACTGTGGCCCTGAACCTGCC
 CTCCCATCAGTGTATCTGCCACTTGGAGAGGAGAACAATGACTTTGTGCTGACAGTAGTTATTTCTGCC
 ACCAATCGTGCAGGGGACACGCAGCAGACCCAGGCCATGGCTAAGGTGGCACTCGGAGACACATGTGTT
 GAGGATGTAGCATTCCAGGCTGCCGTGTCAGAGAAAATCCCCACAGCTCTGCAAGGCGAGGGTGGCCCC
 GAGCAGCTCCTCCAGCTGGCCAAGGCTGTCTCCTCATGCTGAACCAAGAGCATGAAAGCCAGGGCTCA
 GGACAGTCACTGAGCATAGACGTCAGACAGAAGGTCAGAGAGCATGTGCTGGGATCACTGTCTGCAGTC
 ACCACCGCTTGGAGGACGTGCAGAGGGTGCAGGAGCTGGCCGAGGTGCTGAGAGAGGTGACCTGCCGG
 AGTAAGGAACTCACACCTCGGCCAGGGGTCTGCATGGCGATTATGGGAAGGTGCCCTCTGTCT
 GCCCATGTATCTCAGCTAGG**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001278423
Insert Size:	921 bp


[View online »](#)

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:	<u>NM_001278423.1</u>
RefSeq Size:	1533 bp
RefSeq ORF:	921 bp
Locus ID:	114780
UniProt ID:	<u>Q7Z442</u>
Cytogenetics:	16q23.2
Protein Families:	Druggable Genome
MW:	32.8 kDa
Gene Summary:	This gene encodes a member of the polycystin protein family. The encoded protein contains 11 transmembrane domains, a latrophilin/CL-1-like GPCR proteolytic site (GPS) domain, and a polycystin-1, lipoxygenase, alpha-toxin (PLAT) domain. This protein may function as a component of cation channel pores. This gene appears to be a polymorphic pseudogene in humans, and the reference genome encodes a non-functional allele. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2019] Transcript Variant: This variant (5) lacks several 5' and 3' exons but includes alternate 5' and 3' exons, and it thus differs in both UTRs, uses a downstream in-frame start codon and has an alternate 3' coding region, compared to variant 1. The encoded isoform (e) is shorter and has a distinct C-terminus, compared to isoform a.