

Product datasheet for **SC122496**

PKD1L2 (BC004562) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PKD1L2 (BC004562) Human Untagged Clone
Tag:	Tag Free
Symbol:	PKD1L2
Synonyms:	PC1L2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC004562 edited

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GGCAGGAGGCCAGATGATAGCAATGCCTCGGGGAGCTTCCTCACTCTGCTCTGTCTGCTG
CTTTCAGCTGTGAGAGGAAGTGCAGGCCAGTTAATGCCAGCAAAGACATTCTGCTCAGGG
TCACCATGGGGGAGGACTCTCCAGTGGCTATGTTCACTGGTATTGGACAACACCCCAA
CAGAGCAGGCTGAGCCCCCTCCCGGATGCCTGCAGACTCAGAGGATTTGGCCAAGGTCTT
TAACCCTCCTCCAGAGCAACACCTCCACGTTGCTGTTGAACAGCTCGTTTCTGCAGTCCC
GGGAGAGGTCATCCGAATCAGAGCCACAGCACTGACCAGGCATGCCTATGGGGAGGACA
CCTATGTGATCAGCACTGTGCCTCCCCGTGAGGTGCCTGCCTGCACTATTGCCCCAGAGG
AGGGCACCGTTCTGACGAGCTTTGCCATCTTCTGCAACGCCTCCACAGCCCTGGGACCCC
TGGAGTTCTGCTTCTGTCTGGAATCAGGTTCTGCCTACACTGTGGCCCTGAACCTGCCC
TCCCATCAGTGTATCTGCCACTTGAGAGAGGAGAAATGACTTTGTGCTGACAGTAGTTA
TTTCTGCCACCAATCGTGCAGGGGACACGCAGCAGACCCAGGCCATGGCTAAGGTGGCAC
TCGGAGACACATGTGTTGAGGATGTAGCATTCCAGGCTGCCGTGTGAGAGAAAATCCCCA
CAGCTCTGCAAGGCGAGGGTGGCCCCGAGCAGCTCCTCCAGCTGGCCAAGGCTGTGTCCT
CCATGTGTAACCAAGAGCATGAAAGCCAGGGCTCAGGACAGTCACTGAGCATAGACGTCA
GACAGAAGGTGAGAGAGCATGTGCTGGGATCACTGTCTGCACTCACCACCGGCTTGAGG
ACGTGCAGAGGGTGCAGGAGCTGGCCGAGGTGCTGAGAGAGGTGACCTGCCGGAGTAAGG
AACTCACACCCCTCGGCCAGGGGCTCCTGCATGGGCGATTATGGGAAGGTGCCCTCCTG
CTGCCCCATGTATCTCACGCTAGGTGAGAGGGCCTGTTTGGCCAGACTCTCACTCCTGCAT
CTGCTGGTGAGCAAGTTGAGGGAGTAAGTGAATCTCATTAAATTTGGGTGGCCAAATGT
GAGTCCAGACACTGCTACTGACTGCCCCATGTTCTCAACTTCAGTACATGCCAGCCTGACA
TCTGGCTGCCAGCTCCTGTGCTTCTTATCCTTCTGGGGTCTTCTCTGACCCTCAGAGC
CTACTGTACCTGCCCATATGGCTGTGAATTCATGCAGTGTTCACTGACTAATGAAGCTGG
CTTATAAACACCCAGCTACCTACCCCTCTTGATGGATAATCCCAAGCAGGAGTGAATC
CCAGGTAATGGGCTTGATCACACTCCTGTACTGGCTTCCACCCTTCCCTGTCTCACACCC
CCTACTCCCCACAAGTGTCTTGGGATCATGTCCAAATAAATGACTTGCTCTCAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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5' Read Nucleotide Sequence:	>OriGene 5' read for BC004562 unedited <pre> AGCGACACAATTTGTATACGACTCATATAGGGCGGCCGCGATTTCGGCACGAGGCCAGATG ATAGCAATGCCTCGGGGAGCTTCCTCACTCTGTCTGTCTGCCTTTCAGCTGTGAGAG GAACTGCAGGCCAGTTAATGCCAGCAAAGACATTCTGCTCAGGGTCACCATGGGGGAGGA CTCTCCAGTGGCTATGTTCACTGGTATTTGGACAACACCCCAACAGAGCAGGCTGAGCC CCTCCCGGATGCCTGCAGACTCAGAGGATTTGGCCAAGGTCCTTAACCTCCTCCAGAG CAACACCTCCACGTTGCTGTTGAACAGCTCGTTTCTGCAGTCCCGGGGAGAGGTCATCCG AATCAGAGCCACAGCACTGACCAGGCATGCCTATGGGGAGGACACCTATGTGATCAGCAC TGTGCCTCCCCGTGAGGTGCCTGCCTGCACTATTGCCCCAGAGGAGGGCACCGTTCTGAC GAGCTTTGCCATCTTCTGCAACGCCTCCACAGCCCTGGGACCCCTGGAGTTCTGTTCTG TCTGGAATCAGGTTCTGCCTACACTGTGGCCCTGAACCTGCCCTCCCATCAGTGTATCT GCCACTTGAGAGGAGACAATGACTTTGTGCTGACAGTAGTTATTTCTGCCACCCATCG TGCAGGGGACACGAGCAAACCCAGGCCATGGCTATAGTGGCACTCGGAGACACATGTGT TTGAGGATGTAGATTCCAGGCTGCCGTGTCAGAGAAATCCCACAGCTCTGCAAGGCAG GGGTGGCCCCGAACAGCTCCTCACTTGCCAAGGCTGTGTCCTCCTGCCTGAACCAAAA CATGAAAAGCCAGGGCTCAGGAAGTCACCTGAGCATAGACTTCAGACAGGAAGTCACAAG ACG </pre>
Restriction Sites:	Please inquire
ACCN:	BC004562
Insert Size:	1542 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:	BC004562.1
RefSeq Size:	1541 bp
Locus ID:	114780
Cytogenetics:	16q23.2
Protein Families:	Druggable Genome

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, lipoygenase, 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]