

Product datasheet for **RG234352**

PKD2L2 (NM_001258449) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PKD2L2 (NM_001258449) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PKD2L2
Synonyms:	TRPP5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG234352 representing NM_001258449
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGAGGCGTCACGGTGGCACCCGAGGCGGGCTTCGAAACATAAGTTGCATTACAGAAAGGAAGTAG
 AAATTACAACCACACTTCAGGAATTGTTACTCTACTTTATTTTTTAATAAACCTATGTATTGACTTT
 TGGGATGGTAAACCCACATATGTATTACTTAAACAAGTTATGTCATCTCTATTTTTGGACACTTCTGTG
 CCTGGTGAAGAAAGAACCACTTAAAGTCCATTGCAGCATAACTGATTTTTGGAAGTTTATGGAAGGAC
 CCCTTTTGAAGGTCTGTACTGGGATTCATGGTACAATAACCAGCAGCTGTATAATTTAAAGAACAGCAG
 TCGCATCTACTATGAAAATATACTTCTAGGAGTCCCAGAGTTCGCACTAAAAGTCCGCAACAACACA
 TGCAAAGTCTATTCATCTTTTCAGTCTTTGATGAGTGAATGTTATGGCAAATATACTTCTGCAAATGAAG
 ACCTCTCTAATTTTGGCCTTCAAATTAATACTGAATGGAGATTTCTACTTCTAATACCAACTCCCCTTG
 GCACTGGGATTTCTTGGTGTACCAGAAATGGGGATACATTTTCACTTTATCAAAATCGAAATCTGAA
 ACCAAAAACAAGTTCATTGACCTTCGACTGAACAGCTGGATCACAAAGAGGGACTAGAGTTATTTTTATTG
 ATTTTTCTTATATAATGCTAATGTAATCTATTTTGTATTATCAGATTGGTGGCAGAATCCCTGCAAC
 TGGAGGAATACTTACTTCATGGCAGTTTACTCTGTGAAGCTCCTCAGATATGTTAGCTACTATGACTAT
 TTTATTGCTTCTGTGAAATCACATTCTGTATTTTCTTTTGTCTTCAACAACAAGAAGTCAAAAAA
 TAAAAGAAATTAAGTCTGCCTATTTCAAAGTATTTGGAAGTGGCTAGAATTGCTACTTTTGTCTGTG
 TTTTGTGGCTGTTTCTTCAACACATACTATAATGTACAAATTTTCTTACTTGGACAGCTGTTGAA
 AGTACTGAAAAATTCAGATTTCTATTTTCTTGCATGCTGGCACATTTATTACAATAATATAATGCTA
 TTACCATCTTTTTGCATGGATAAAGAATATGTTCTTGGCAATTTAATGATACTTCTGAAGTGAA
 AGCTGACTATTCAATAGGCAGAAGGCTAGATTTTGAACCTGGCAAATGATTAACACAGATTACAAAAAT
 GTTCTCGAGAAATTCAGACTGAAGAAAGCTCAAAAAGATGAAGACAAGAAAACCAAGGCAGCGGAGATT
 TGGCTGAACAAGCCAGAAGAGAAGGCTTTGACGAAAATGAGATTCAAAACGCAGAGCAGATGAAAAATG
 GAAAGAGAGGCTTGAGAAAAAGTATTATTCTATGGAAATCAAGATGACTACCAGCCTGTCACTCAAGAA
 GAATTCGAGAACTTTTTTATATGCTGTGGAGCTGGAGAAGGAATTACACTACATCAATTTGAAGCTAA
 ATCAAGTGGTGAGAAAGTTTCAGCTCTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG234352 representing NM_001258449
 Red=Cloning site Green=Tags(s)

MAEASRWHRGGASKHKLHYRKEVEITTTLQELLYFIFLINLCLTFGMVNPMMYYLNKVMSSFLDTSV
 PGEERTNFKSIRSITDFWKFMEGPLLEGLYWDSWYNNQQLYNLKNSSRIYYENILLGVPRVRQLKVRNNT
 CKVYSSFQSLMSECYGKYTSANEDLSNFLQINTEWRYSTNNSPWHWGFLGVYRNGGYIFTLKSKSE
 TKNKFIDLRLNSWITRGRVIFIDFSLYNANVNLFCIIRLVAEFPATGGILTSWQFYSVKLLRYVSYDDY
 FIASCEITFCIFLVFTTQEVKKIKEFKSAYFKSIWNWLELLLLLFCFVAVSFNTYYNVQIFLLGQLLK
 STEKYSDFYFLACWHIYYNNIIAIIFFAWIKNMFLAIINDTYSEVKADYSIGRRLDFELGKMIKQSYKN
 VLEKFRLLKKAQKDEDKTKGSGDLAEQARREGFDENEIQNAEQMKKWKERLEKKYYSMEIQDDYQPVTE
 EFRELFLYAVELEKELHYINLKLNVVRKVSAL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001258449

ORF Size: 1569 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_001258449.2](#)

RefSeq Size: 2317 bp

RefSeq ORF: 1572 bp

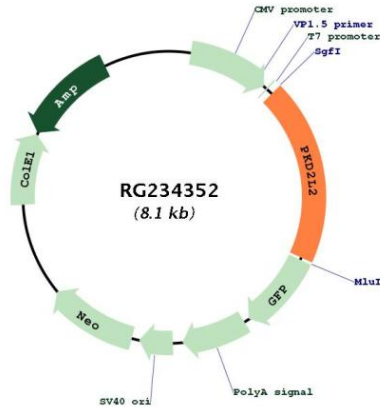
Locus ID: 27039

UniProt ID: [Q9NZM6](#)

Cytogenetics: 5q31.2

Protein Families: Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane
Gene Summary: May function as a subunit of a cation channel and play a role in fertilization.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG234352