

## Product datasheet for **MG225309**

### **Pkd2l2 (NM\_001163004) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pkd2l2 (NM_001163004) Mouse 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)



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**ORF Nucleotide Sequence:**

>MG225309 representing NM\_001163004  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCTGAGGCGACTTGGTGGTACCGAGGAGGACTTCAAACATGACCTGCATTACAGAAGGGAAGCGG  
 AGGTAAACACCACACTCGAGGAGTTGTTACTCTATTTTATTTTCTTAATAAATCTATGCATATTGACTTT  
 TGGGATGGTCAATCCACATATGTACTATTTAAACAAAGTTATGTCGTCTCTGTTTGTGGACACTTCTCTA  
 CCTGATGATGAAAGAAGCAGCTTTAGGTCCATTCGGAGCATAACTGAGTTTTGGAAGTTCATGGAAGGAC  
 CCCTCATCGACGGCTTGTACTGGGACTCGTGGTATGGCAACAAACAGCTGTACAGTGTGAAGAACAGCAG  
 CCGCATCTACTACGAGAAGCTTCTTCTCGGCATCCCCAGAGTCCGCAACTGCGAGTCCGAAACAACACT  
 TGCAAGGTCTACCCAGCTTTCCAGTCCCTGGTCCAGGACTGCTACAGCAAGTACACAGTGGAAAACGAAG  
 ACTTCTCTGATTTTGGCCTCAAACGCAATCCAGAATGGACGCACACACCTTCTTCCCGACTGCCCATG  
 GCACTGGGGGTTTGTGGCGTATACCGAGATGGAGGATATATAGTCACGTTATCAAATCAAATCTGAA  
 ACCAAAGCCAAATTTGTTGACCTTCGACTGAACAACTGGATTAGCAGAGGCCACCGGGCTGTTTTATTG  
 ATTTCTCCCTGTACAATGCTAATGTCAACCTGTTTTGCATCATCAGGCTGCTGGCAGAGTCCCTGCGAC  
 GGGTGGGCTCCTCACCTCCTGGCAGTCTACTCTGTGAAGCTCCTCAGATACGCTCCTACTACGACTAC  
 TTCATTGCCTCCTGTGAAGTCATATTTTGTATTTTCTCTTTGTCTTATAACAAGAAGTGGGAAAAG  
 TGAACGAGTTTAAAGTCTGCCTATTTTCAAGTGTCTGGAAGTGGTGGAGATGCTGCTCCTGCTGCTG  
 TTTTCTCGCCGTGCTTTCTATGCATACTGTAACATGCAGAGCTTCTCTTGCTTGGACAGCTGTGAAA  
 AACACTGACAGCTATCCCGACTTTTACTTCCTTGCATACTGGCACATTTACTATAACAACGTAATTGCTA  
 TCACTATCTTCTTGCATGGATAAAGATATTCAAGTTCATAAGCTTCAATGAGACAATGTCGACAGTGT  
 ATCAACACTCTCCCGCTGCATGAAGGACATCGTGGGGTTCGCCATCATGTTCTTTCATCATCTTCTCTGCT  
 TATGCCAGTTGGGATTTCTGGTTTTGGGTACAGGTTGATGATTTTTCAACTTTTCAAATTCATAT  
 TTGCACAATTTGCAATTTGCTCGGGGACTTTAATTTTGTGGCATCCAGCAGGCCAACTGGATCTTGGG  
 GCCCATCTACTTCATCACGTTTCTTCTTCTGTTCTTTGTGCTCCTGAACATGTTCTTGGCAATAATT  
 AATGACACCTATTCTGAAGTTAAGGCTGATTATTCATAGGCAGAAGACCAGATTTTGAAGTGGTAAAA  
 TAATTCAAAAGAGTTGCTTAAATGTTCTCGAGAACTCAGACTCAAGAAAGCTCAAGCTAAAGAAGAAA  
 GAAAATGCAAACACTGACTTGGCCAGAGAGCCAGAAGAGACGGCTTTGATGAAAGTGAATCCAAGAG  
 GCAGAGCAGATGAAAAGATGGAAGGAAAGCTTGAAGAAAGTATTATTCTACAGAAATCAAGACGATT  
 ATCAGCTGTCACTCAGCAAGAATTCAGAGAGCTTTTTATACGCGGTGGAGCTTGAGAAGGAATTACA  
 CTATGTCAGTTTAAACTGAACCAACTGATGAGAAAGCTGCAC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG225309 representing NM\_001163004  
 Red=Cloning site Green=Tags(s)

MSEATWWYRGGTSKHDHLHYRREAEVNTTLEELLLYFIFLINLCILTFGMVNPMMYYLNKVMSSLFVDTSL  
 PDDERSFRSIRSITEFWKFMGGLIDGLYWDSWYGNKQLYSVKNSSRIYENVLLGIPRVRQLRVRNNT  
 CKVYPAFQSLVSDCYSKYTVENEDFSDFGLKRNPEWHTPSSRTAPWHWGFVGVYRDGGYIVTLSKSKSE  
 TKAKFVLDRLNNWISRGTRAVFIDFSLYNANVNLFCIIIRLLAEFPATGGLLTSWQFYSVKLLRYVSYDDY  
 FIASCEVIFCIFLFFVFIIQELRVNEFKSAYFRSVWNWLEMLLLLLCFLAVSFYAYCNMQSFLLLGQLLK  
 NTDSYPDFYFLAYWHIYNNVIAITIFFAWIKIFKFSFNETMSQLSSTLSRCMKDIVGFAIMFFIIFSA  
 YAQLGFLVFGSQVDDFSTFQNSIFAQFRIVLGDFNFAGIQANWILGPIYFITFIFVFFVLLNMFLAII  
 NDTYSEVKADYSIGRRPDFELGKIIQKSCFNVLEKLRLLKKAQAKEEKKMQTTDLAQRARRDGFDESEIQE  
 AEQMKRWKERLEKKYSTEIQDDYQPVTTQEFRELFYAVELEKELHYVSLKLNQLMRKLH

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

SgfI-MluI



<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001163004.1</a> , <a href="#">NP_001156476.1</a>
<b>RefSeq Size:</b>	2132 bp
<b>RefSeq ORF:</b>	1866 bp
<b>Locus ID:</b>	53871
<b>UniProt ID:</b>	<a href="#">Q9JLG4</a>
<b>Cytogenetics:</b>	18 B1
<b>Gene Summary:</b>	May function as a subunit of a cation channel and play a role in fertilization.[UniProtKB/Swiss-Prot Function]