

Product datasheet for **MC225225**

Pkd1I3 (NM_001039700) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pkd1I3 (NM_001039700) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pkd1I3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC225225 representing NM_001039700 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCTCTTGCAGAGGCGGTCTGGCTCTGGCTGTACATTAGAATCGGTGTATTCTGGGTGATATTTGG
GACGTAACCAAGCATCCGGGAGCAACATGGGGAAACAGCTGCTATCAGCTTAACAGACTTTTCTGTGA
CTTCCAGGAAGCAGATAACTACTGCCACGCCAGAGAGGACGCCTAGCCACACGTGGAACCCCAAGCTT
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CCCACCACAGGTAATATCAGACACACCTGCATCCAGCAGCCACCACAGGTGACATCAGAGACACCTGCA
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CGCCAGACTCGCATTCTAATGACATATTCTTCCAGGATCTCTCCACAAGCAAATGAAGTCGCCTCCCC
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CCTGTGAGAAAGAAGCTACACTGACAGATATGTTACTACAAAAGCTCTCAAGTCTGTTAGGAATCCGCCT
GCACCAGAATCCATCTGAGGAACACGCTGACAACACTGGTTCTCAAATCTCCGGGAAAGATCATCAAAG
TCTATGTCTTCTGATGCTGAGGTGCTGGCTCCAGCAGATGCAGTTGGAAGTGTGTCTGGCACCAGTGGCA
ACTCTGGCAGTACAAAGGTGTTGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001039700

Insert Size: 6606 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001039700.2, NP_001034789.2

RefSeq Size: 6606 bp

RefSeq ORF: 6606 bp

Locus ID: 244646

UniProt ID: [Q2EG98](#)

Cytogenetics: 8 D3

Gene Summary: Component of a calcium channel. May act as a sour taste receptor by forming a calcium channel with PKD1L3 in gustatory cells; however, its contribution to sour taste perception is unclear in vivo and may be indirect.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest variant and encodes the longest isoform (a).