

## Product datasheet for **MR224313**

### **Dzip1l (NM\_028258) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dzip1l (NM_028258) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dzip1l
Synonyms:	2610524A10Rik; AI663976
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR224313 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCAGTACCCAGCAGCCACTGCGGAAGGCCTTAGTGGCCCGCTGTCCGGGCCTACACGCTTCCCGCT  
 TCAAGTTCAGCCTCGCGTGAAAGCATAGACTGGAGACGAATCAGTGCCGTGGACGTGGACCGTGTGGC  
 CCGGGAGCTGGACGTGGCCACACTGCAGGAGAACATTGCTGGCGTCACCTTCTGTAACTGGACGGGAG  
 GTGTGCAACCACTGTAGGCAGCCGGTGGACCCGGTGTCTCAAGGTAAGTGCACGCTGGCAGCTCATCA  
 TTGAGTACCTGTGCATTGCCAGGACTGCCTGAGTGCCAGCGTGGCACAGCTGGAAGCACGGCTGCAGGC  
 CAGCCTGGCCAGCAGCAGCGTGGCCAGCAGGAGCTGGTCCGACGGCCGATGAGCTCAAGGGCGTTCGG  
 GAGGAGAGCCGACGTAGGCGAAAGATGATCAGCACCTGCAGCAGCTGCTTCTGCAGACGAGTGGCCATA  
 GCTACCACACGTGCCACTTGTGTGACAAGACCTTCATGAATGCCACCTTCTCCGGGGCCACATCCAACG  
 CAGACATGCAGGCATGGCAGATGTCGAAAGCAGAAGCAGGAACAGCCACTGGGGGAGGTGCTGGAGGAG  
 CTTCCGGGCAAGCTCAAGTGGACCAAGGGGAGCTGGAAGCCAGAGGGAGGCTGAGCGGCAGCGCAGG  
 TCCAGGAATTAGAGATGGCTCGTCAGCGGAAATGGAAGCTAAAAAAGTTTCGACGAATGGAAAGAAAA  
 AGAACGCAGCAAGCTTTATGGAGAGATAGACAAGCTGAAACAGCTGTTTTGGGATGAATTCAAAAGTGT  
 GCCAACCAAGAACTCCACGTTAGAAGAGAAAAGTGAAGGCACTGCAGTCTACAGCATGACGGAGTCTCACC  
 TTGGGTCTCTGCGGGATGAAGAGTCAGAGGAGAGACTCAAGCATGCCAGGAGGTCCAGGCCCTTCAAGA  
 AAAGATGGAAGTCCAGAAAACAGAGTGAAGAGGAAAAAAGAGCCCTGCATGAAGAGCGGGCAGCTGAG  
 AGGAGACAGCTGCAGGAGGAGAATGAGAGGCTCCACGTGTCCCTGTCTCAGGACCAGAAGAAAGCAGCTG  
 CCCAGTCTCAGCGCCATATCAATGCCCTCCGTGCCAGCTTCAAGAACAAGCCAGGCTTATCGAGTCCCA  
 GGAGGAGACGATCCAGACTTTGTCCCTCAGGAAGGTGGAGGAAGTCCAAGAGATGCCAAAAGGCTGTGGCC  
 ACAGAGGAGGACTCTTCTGAAGAAGAGCTCGAGGCCTCCCTTGAAGAGCGGCAGGAGCAACGGAAGTGT  
 TAGCAGCTCTCAGGAAAAACCCACTTGGCTGAAGCAGTTCGCGCCATCCTGGAGGACACCCTGGAAAG  
 GAAGCTGGAGGGCTGGGGATCAAGAGGGACACAAAGGGAATTTCTGCTCAGACTGTCCGACGTCTGGAG  
 CCCCTGTGAGAACCCAAAGGGAGCAGATAGCCCGAAGCTTCCGAGAGTTTCCAGTCTGAGGGAAAAGC  
 TCAACAAGGAAGTGAGCAGCAGGTGAAGCAAAGATGGGAGAGTACGACCCAGCCAGATGGCCAGCCTCC  
 AGTCAAAAGCCAGCGGTCACTGGCCACAAGGGAGTCCGGCCAAAGACCAGGACCTTACTGTGGCC  
 CTGCCATCCAACAGCAGAACCTTCAACGCCAATCTTCAAGGCCACAGCAGCCATGGCCCCGGCCTCA  
 CCCAGGTGTCCACCCCAATCCACGCCAGAGTGCATGGACCCTCCAGTACCCCTGTTTCCCTGGGT  
 CCGGCTGAGCAGCACCCGCCTTTTAGTTCTGAAGAAGAGCCAGAGGGAGATGTCGTGCAACGTGTGTCC  
 CTTAGCCTCCTAAAGTTCTCCCTAGGTGAGCGCCAAAGCCTGAGGACAAGTGGGGCTGGTCTGATTCCG  
 AGACCTCAGAGGAGAGTGCCCAACCTCCTGGGAAGGGCTCAGGCGGGCTGGCTTCTCAGGAACACTGGT  
 GCAGTCAATTGTCAAAAACCTTGAGAAGCAGCTTGAACGCCAGCCAAGAAGCCTTCCGGAGGGTCAAT  
 ATGTTCTTAAGGCCAACGCTGCCCTCCAGAGGGCTTCCACACCAGCAAGGAAGTCTCAGCTTTCAGAAG  
 ATGAGAGTGACGTGGAGATCTCGTCTTTGGAAGATCTTCCCAAGACCTGGGCCAGAAAGGAAAGCCAAA  
 GCCTTTGTCCCACTCAAAGCTCCAGAAAAGTTTATGATGTACGCCCTTGGAGCTCGGGTCCAGACCAGG  
 ATTCTGTGGCTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

## Protein Sequence:

&gt;MR224313 protein sequence

Red=Cloning site Green=Tags(s)

MQYPAATAEGLSGPLSGAYTLPAFKFQPRRESIDWRRISAVDVDRVARELDVATLQENIAGVTFCNLDGE  
VCNHCRQPVDPVLLKVLRLAQLIEYLLHCQDCL SASVAQLEARLQASLGQQRGQQELGRQADELKGVR  
EESRRRRKMISTLQQLLQTSASHSYHTCHLCDKTFMNATFLRGHIQRRHAGMADVGGKQKQEPLGEVLEE  
LRAKWKWTQGELEAQAERQRQVQELMARQREMEAKKKFDEWKEKERSKLYGEIDKLLQFLWDEFKTV  
ANQNSTLEEKLKALQSYSMTESHLGSLRDEE SEERLKHAQEVQALQEKMEVQKTEWKRKMKALHEERAAE  
RRQLQEENERLHVSLSQDQKAAAQSRHINALRAQLQEQARLIESQEETIQTL SLRKVEEVQEMPKAVA  
TEEDSSEEELEASLEERQEQRKVL AALRKNPTWLKQFRPILEDTLEEKLEGLGIKRDTKGISAQTVRRLE  
PLLRTQREQIARSFREFPSLREKLNKEVSSRVKQRWESTTQPDGQPPVKSQRVTLATREVRPKTRTLTVA  
LPSKPAEPSTPTLQGHSSHGPGLTQVSTPIPRPRVHGSSSTPVSPGSLSTPPFSSEEEPEGDVVQRVS  
LQPPKVLPRSAKPEDNWGSDSETSEESAQPPGKGGGLASSGTLVQSI VKNLEKQLETPAKKPSGGVN  
MFLRPNAALQRASTPARKSQLSEDES DVEISSLEDLSQDLGQKGPPLSHSKLPEKFDVSPWSSGSRPR  
IPGW

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

## Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_028258

ORF Size: 2325 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\\_028258.2](#)

**RefSeq Size:** 3928 bp

**RefSeq ORF:** 2325 bp

**Locus ID:** 72507

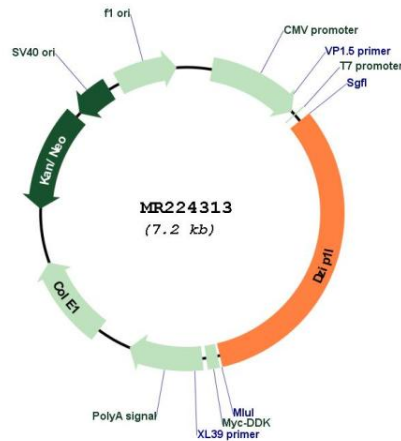
**UniProt ID:** [Q499E4](#)

**Cytogenetics:** 9 E3.3

**MW:** 87.6 kDa

**Gene Summary:** Involved in primary cilium formation (PubMed:28530676). Probably acts as a transition zone protein required for localization of PKD1/PC1 and PKD2/PC2 to the ciliary membrane (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR224313