

## Product datasheet for **MG224313**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dzip1l (NM_028258) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dzip1l
Synonyms:	2610524A10Rik; AI663976
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG224313 representing NM\_028258  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCAGTACCCAGCAGCCACTGCGGAAGGCCTTAGTGCCCGCTGTCCGGGCGCTACACGCTTCCCGCT  
 TCAAGTTCAGCCTCGCGTGAAAGCATAGACTGGAGACGAATCAGTGCCGTGGACGTGGACCGTGTGGC  
 CCGGGAGCTGGACGTGGCCACACTGCAGGAGAATTGCTGGCGTCACCTTCTGTAACTGGACGGGAG  
 GTGTGCAACCACTGTAGGCAGCCGGTGGACCCGGTGTCTCAAGGTAAGTGCCTGGCACAGCTCATCA  
 TTGAGTACCTGTGCATTGCCAGGACTGCCTGAGTGCCAGCGTGGCACAGCTGGAAGCACGGCTGCAGGC  
 CAGCCTGGGCCAGCAGCAGCGTGGCCAGCAGGAGCTGGTCCGACGGCCGATGAGCTCAAGGGCGTTCGG  
 GAGGAGAGCCGACGTAGGCGAAAGATGATCAGCACCTGCAGCAGCTGCTTCTGCAGACGAGTGGCCATA  
 GCTACCACACGTGCCACTTGTGTGACAAGACCTTCATGAATGCCACCTTCTCCGGGGCCACATCCAACG  
 CAGACATGCAGGCATGGCAGATGTCGAAAGCAGAAGCAGGAACAGCCACTGGGGGAGGTGCTGGAGGAG  
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 TCCAGGAATTAGAGATGGCTCGTCAGCGGAAATGGAAGCTAAAAAAGTTTCGACGAATGGAAAGAAAA  
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 AGTCAAAAGCCAGCGGTCACTGGCCACAAGGGAGTCCGGCCAAAGACCAGGACCTTACTGTGGCC  
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 ATTCTGGCTGG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

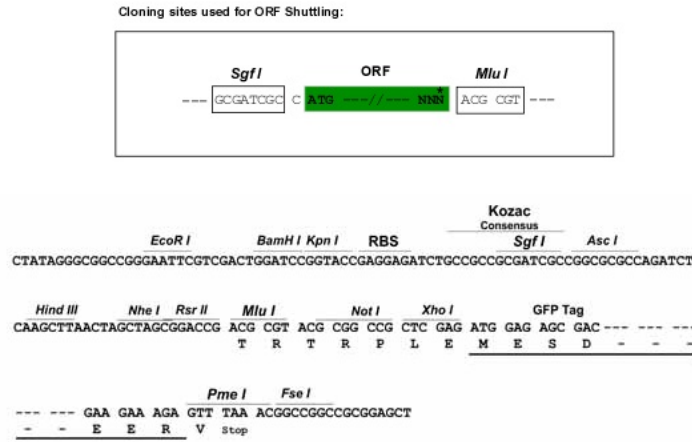
**Protein Sequence:** >MG224313 representing NM\_028258  
 Red=Cloning site Green=Tags(s)

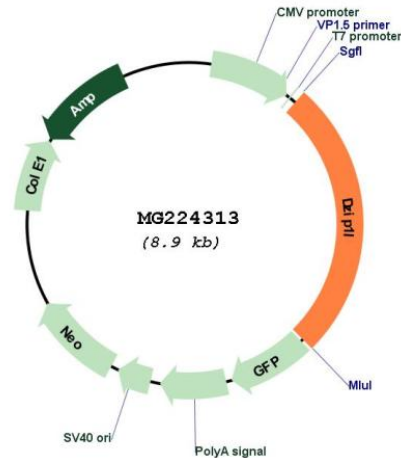
MQYPAATAEGLSGPLSGAYTLPAFKFQPRRESIDWRRISAVDVDRVARELDVATLQENIAGVTFCNLDGE  
 VCNHCRQPVPVLLKVLRLAQLIEYLLHCQDCL SASVAQLEARLQASLGQQRGGQELGRQADELKGVR  
 EESRRRRKMISTLQQLLQTSASHYHTCHLCDKTFMNATFLRGIQRRHAGMADVGGKQKQEQPLGEVLEE  
 LRAKWKWTQGELEAQREAEERQVQVELEMARQREMEAKKKFDEWKEKERSKLYGEIDKLLKQLFWDEFKTV  
 ANQNSTLEEKLKALQSYSMTEHLSL RDEE SEERLKHAEVQALQEKMVQKTEWKRKMKALHEERAAE  
 RRQLQEENERLHVSLSQDQKAAAQSQRHINALRAQLQEQARLIESQEETIQTL SLRKVEEVQEMPKAVA  
 TEEDSSEEELEASLEERQEQRKVL AALRNPTWLNKQFRPILEDTEELKLEGLGIKRDTKGISAQTVRRLE  
 PLLRTQREQIARSFREFPSLREKLNKEVSSRVKQWESTTQPDGQPPVKSQRVTLATREVRPKTRTLTVA  
 LPSKPAEPSTPTLQGHSSHGPGLTQVSTPIPRPRVHGSSSTPVSPGSLSTPPFSSEEEPEGDVVQVRS  
 LQPPKVLPRSAKPEDNWGSDSETSEESAQPPGKGGGLASSGTLVQSI VKNLEKQLETPAKKPSGGVN  
 MFLRPNAALQRASPARKSQLSEDES DVEISSLEDLSQDLGQKGP KPLSHSKLPEKFDVSPWSSGSRPR  
 IPGW

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_028258

**ORF Size:** 2322 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

**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]