

Product datasheet for **SC101132**

DZIP1L (NM_173543) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DZIP1L (NM_173543) Human Untagged Clone
Tag:	Tag Free
Symbol:	DZIP1L
Synonyms:	DZIP2; PKD5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_173543, the custom clone sequence may differ by one or more nucleotides

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ATGCAGTCCCAGCTGCCACTGCTGAGGGCCTCAGTGGCCCCCTCTTTGGGGCTACACGTTCCCCACCT
TCAAGTTTCAGCCTCGCCATGATAGCATGGACTGGAGACGCATTAGCACCTGGATGTAGACCGCTGGC
CCGGAACTGGATGTGGCACTCTGCAGGAGAATTATTGCTGGCATCACCTTCTGCAACTTGGACCGGGAG
GTGTGCAGCCGCTGTGGCAGCCTGTGGACCCGGCACTGCTCAAGGTGCTGCGCCTGGCGCAGCTCATCA
TTGAGTACCTGCTGCACTGCCAGGATTGCCTGAGTGCCAGTGTTGCCAGCTGGAGGCACGGCTGCAGAC
CAGCCTGGGCCAGCAGCAGCGTGGTCAGCAGGAGCTGGGACGCCAGGCTGACGAGCTCAAGGGTGTGCGG
GAGGAGAGCCCGCGCTCGCAAGATGATCAGCACCTGCAGCAGCTGCTAATGCAGACAGGCACCCACA
GCTACCACACGTGCCACCTGTGTGACAAGACATTCATGAATGCCACCTTTCTCCGGGGCCACATCCAGCG
CAGGCATGCAGGCGTGGCAGAAGGTGGAAGACAGAAACAGGAACAGCCAGTGAAGAGGTGTTAGAA
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GCAAGAGTGGACCAAACTTTATGGGGAATAGATAAACTAAAAAATTATTTTGGGATGAATTTAAAAAT
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CTGCCCAGTCCCAGTGCCAGATCAGCACCTCCGTGCCAGCTGCAGGAACAAGCTAGGATCATTGCCTC
CCAGGAGGAGATGATCCAGTCTTGTCTCTCAGGAAGGTGGAAGGGATCCACAAGGTGCCAAGGCTGTG
GACACAGAGGAGGACTCTCCAGAGGAAGAGATGGAGGACTCCAGGATGAACAGCACAAGGTGCTGGCAG
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CGAAAGCATGGGGATAAGGAAGGATGCAAAGGGAATCTCGATTCACTCTCAGACACCTGGAATCCCTG
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AGGAAGTCACCAGCAGAGCGAAGGAGAGACAGGAGAATGGCGCTGTGGTGTCCAGCCAGACGGGCAGCC
TTCAGTCAAAAGCCAGCAGAGCACACTGGTCACCAGAGAGGCCAGCCAAAGACCAGGACCCTGCAGGTG
GCCTTGCCATCCACACCGGCAGAGCCACCCCACTCGTCAGAGCCATGGCAGCCATGGCTCCAGCC
TGACCCAGGTGTCCGCCCCGCTCCACGCCCCGACTGCATGGACCCTCCAGCACCCCTCCTTCCTCGGG
GCCCGGATGAGCAGCCCCCGTTCAGTTCTGAAGAGGACTCAGAGGGAGACCGTGTGCAGCGTGTGTCT
CTACAGCCCCAAAAGTTCTTCCAGGATGGTGGCCCGGCCAAGGATGACTGGGACTGGTCTGACACAG
AGACCTCGGAGGAGAATGCCAGCCCCCTGGCCAGGGCTCAGGAACACTGGTGCAGTCGATGGTCAAAAA
CCTGGAGAAGCAGCTAGAAGCTCCAGCAAGAAGCCTGCTGGAGGGGTGAGTCTGTTTTTATGCCCAAT
GCTGGGCCACAGAGGGTGCCACACCAGGAAGGAGCCTCAGCTTTCTGAAGATGAGAGTGACTTGGAGA
TCTCCTCTTGAAGATCTTCTCTGGACCTGGACCAGAGAGAGAAACCAAGCCCTGTCTCGCTCAAA
GCTCCAGAGAAGTTTGGCACTGGTCCACAGAGCTCTGGCCAACCCAGGGTCCCTGCCTGGTGA

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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_173543 unedited <pre> GGCCGCGACATTCGCACGAGGCCCAAGCCACGAGCTGACCGACGACCGAGGAGCTCTCT GTCCGCGGTCCCGCAGGTTGGCGGCACTGGAGTGGGCCGGGCAGGCTCTGCCTCCGCCGC AGAGAGCGCCCGGACTGCGTGGGGCTGGGAAGCATCCCGGAACGGCGGGCGGACGAA GCTGTGGAGCTGAGTCGGGTTTCAGACAAGCCCTGCTGAAATACAGGGAGAATTTAGAATC CCCAACTAACCCTGTGGTGATTGCTGTAACTCTGTCAGCGCTTGCACTTTGATCAA GAAAATCAGGCCTTCTCTCAGCTCCTTGGCCTACTGCCNGTGGCCTTGGTGCCCCCTC CTNCTGGTGGTCAGCTCAGGGCTTCCTCTGCCCATGCAGTCCCCAGCTGCCACTGCTGAG GGCCTCAGTGGCCCCCTTTTGGGCTACACGTTCCCCACCTTCAAGTTTCAGCCTCGC CATGATAGCATGGACTGGAGACGATTAGCACCTGGATGATAGACCGCTGGCCCGGGAC CTGGGATGTGGCACTCTGCAGGAGATATTTGCTGGCATCACCTTCTGCAACTTGAGCCG GGNAAGGTGTGCAGCCCGCTGTGGGCAGCCTGTGGACCCGACTGCTCAAGGGGTGCTGC GCCTGGCGCAGCTCATATTGAGTACCTGCTGCCTGNCANGATTGCCCTAGTGGCCAGT GTTGCCAAGCTGGAGGGCACGGCTGCAGACCAGCCCTGGCCACACNNAANNCGTTTAC CNNGGGACCTGGGACCCCGAGTGACAACCTCAAAGGTTGGGCCCGGAGAGAAAACCCCC GGCGTTCCAAGAAAGATCAACACCCTGCAAAAACCTGTTA </pre>
Restriction Sites:	ECORI-NOT
ACCN:	NM_173543
Insert Size:	5000 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.
RefSeq:	<u>NM_173543.1</u> , <u>NP_775814.1</u>
RefSeq Size:	3520 bp
RefSeq ORF:	2304 bp
Locus ID:	199221
UniProt ID:	<u>Q8IYY4</u>
Cytogenetics:	3q22.3

Gene Summary:

Involved in primary cilium formation (PubMed:19852954, PubMed:28530676). Probably acts as a transition zone protein required for localization of PKD1/PC1 and PKD2/PC2 to the ciliary membrane (PubMed:28530676).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).