

## Product datasheet for SC327274

### DIP2A (NM\_001146114) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DIP2A (NM_001146114) Human Untagged Clone
Tag:	Tag Free
Symbol:	DIP2A
Synonyms:	C21orf106; DIP2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001146114, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGACCGGGTGCCCGCTGGAGGCGGCCGCTGCCTGCCAGGTGCGGGAGAGC
CTGGCTGAGCTGGAGCTGGAGCTGTCGGAAGATGTCCACACTGAAGCCGTGCAAGCAGCT
TTGGCCAAATACAAGAGAGGAAGATGCCTATGCCTTCGAAGAGACGTTCTGTCTTGTG
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CCCTGGCTCGACCGGGTCATTACAGGGCTCGTCCACCTCATCTCTGCATCCTCCACCTCA
TCTACCCGGGAGGGAGACCCACTGCTCCCAGTGTGCAGCCACGCCGGGGGCCGCC
GCTACCACTGCACTCGCAGGCCTCGAGGCCACACCCACATAGATCTGCATTCTGCCCT
CCTGATGTCACCACGGGCTCGTGGAGCATTTCGACTTTGAGCGTCCACAGGTGGCTTCT
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ACACAGCCCAAATCCCCCTGTCTGACTGCCTTGGATACTGGGAAAGCCGCTACACT
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CCTGTCCCATAGAAGTGCCATTAACAAGAAAGGATGCAGGCAGCCAGCAGGTTGGGTTT
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CCCAAGGCACAGACAGGAGAGGTGGCAGCTTTCAAAGGTTGGCCCCGCTCTCCTGGCTA
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ACAGGGACTGGGACTGCCTACATTGAGTATAAAACCAGCAAAGAAGGCAGTACGGTGGGG
GTCACAGTGTCCACGCATCCCTGCTGGCACAGTGCCGGGCTCTGACCCAGGCGTGCGGG
TACTCAGAAGCTGAAACATTAACAAACGTGCTGGATTTCAAAGGATGCTGGTCTGTGG

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CATGGCGTGTTAAACAAGCGTCATGAACAGGATGCACGTGGTCAGCGTCCCCTACGCGCTG
ATGAAGGCGAACCCTCTCCTGGATCCAGAAAGTGTGCTTCTATAAAGCTCGGGCCGCG
CTGGTGAAGTCGCGAGACATGCACTGGTCTCTCCTAGCTCAGCGGGCCAGAGGGACGTC
AGCCTCAGCTCACTGCGCATGCTGATTGTGGCCGATGGTGCCAACCCGTGGTCGATCTCC
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CCTTGTGCAAGTTCTCCTGAGGCGCTGACTGTGCCATCCGACGGCCACCTGATCGGGA
GGACCACCTCCAAGAAAAGCAGTCTGTGATGAACGGTCTAAGTTATGGTGTATCAGA
GTGGATACTGAAGAAAAGTTGTGAGTCCCTTACTGTTTCCAGGACGTTGGTCAGGTGATGCC
GGAGCTAATGTATGTGTTGTGAAGTTAGAAGGTACCCCTTATCTTTGTA AAACTGATGAA
GTGGGAGAAAATGCGTCAGTTCAGTGC AACTGGCACAGCGTACTATGGATTGCTTGGAA
ATCACGAAGAATGTGTTTGGAGCAGTTC CGGTCACACAGGAGGAGCACCCATCTTTGAC
AGGCCATTACCAGGACAGGCTGCTGGGCTTCATCGGGCTGACAACCTGGTCTTCATC
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CTCGGAGGGATTACATTTCTGAAACCAAACAGCGCTTTCTGGAAGGGACGCTGCACCCG
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CTGTTCTGGCTGACGTGCTGCAGTGGCGTGCCACACCACTCCTGACCACCCGCTGTTT
TTGCTGCTGAACGCCAAGGGCACCGTCA CAAGCACTGCAACCTGTGTCCAGCTGCACAAA
AGGGCTGAGAGAGTGGCCGCGGCTCTGATGGAGAAGGGAAGACTGAGTGTGGGGACCAT
GTGGCTCTGGTCTACCCACCAGGGTGGACCTCATTGCCGCTTCTATGGCTGCTTGTAC
TGTGGCTGCGTGCCTGTACCCGTGCGGCCCCCGCACCCCTCAGAACCTCGGCACCACACTG
CCCACCGTCAAGATGATCGTGGAGGTCAGCAAGTCTGCATGCGTCCTCACCACGCAGGCT
GTCACACGGCTGCTCAGGTCCAAGGAGGCTGCTGCTGCCGTGGACATCAGGACCTGGCCC
ACCATCTAGACACAGATGACATCCCAAAAAGAAGATAGCAAGCGTTTTTCAGGCCCCCC
TCCCCCGATGTCCTCGCATACTTGGACTTCAGCGTGTCAACCCTGGGATATTAGCGGGA
GTGAAGGCGGGGCGTGGTGGCTCACGCCTG
    
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- Restriction Sites:** Please inquire
- ACCN:** NM\_001146114
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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\_001146114.1, NP\_001139586.1

**RefSeq Size:** 3606 bp

**RefSeq ORF:** 3333 bp

**Locus ID:** 23181

**Cytogenetics:** 21q22.3

**Gene Summary:** The protein encoded by this gene may be involved in axon patterning in the central nervous system. This gene is not highly expressed. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009]  
Transcript Variant: This variant (5) differs in the 3' UTR and coding region compared to variant 1, that causes a frameshift. The resulting isoform (e) is shorter and has a distinct C-terminus compared to isoform a.