

Product datasheet for **RC229014**

DIP2A (NM_001146115) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DIP2A (NM_001146115) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DIP2A
Synonyms:	C21orf106; DIP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RC229014 representing NM_001146115
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGACCGCGGGTGCCCGCTGGAGGCGGCCCGCTGCCTGCCGAGGTGCGGGAGAGCCTGGCTGAGC
 TGGAGCTGGAGCTGTCGGAAGGTGACATCACTCAAAAAGGATATGAAAAGAAAAGGGCAAAGCTGCTTGC
 ACGTTATATACCGCTTATTCAAGGAATAGACCCATCTCTGCAAGCAGAGAATAGAATTCCTGGGCCCTCA
 CAAACCACGGCCGCTGCACCCAAGCAGCAGAAGTCTCGGCCACCGCCTCGAGGGATGAGCGCTTCCGGT
 CAGATGTCACACTGAAGCCGTGCAAGCAGCTTTGGCCAAATACAAGAGAGGAAGATGCCTATGCCTTC
 GAAGAGACGTTCTGTCTTGTGCATTCTGTGGAACTACACCCCTCCAGACACGTCGTCTGCCTCA
 GAAGATGAGGGCTCTTACGGCGACCCGGGCGACTCACCTCCACTCCGCTCCAGAGCCATTCCAGCGTCG
 AGCCCTGGCTCGACCGGGTCATTAGGGCTCGTCCACCTCATCCTCTGCATCCTCCACCTCATCTACCC
 GGGAGGGAGACCACACTGCTCCAGTGTGCAGCCACGCCGGGGCCCGCTACCCTGCACCTCGCA
 GGCTCGAGGCCACACCACATAGGTGTCCCTGTGAACAGCAGAGTGTCTCAAAAATCCAGCAGCTTC
 TGAACACCCTGAAGAGGCCAAAGCGCCCTCCACTGAAGGAGTTCTTTGTGGATGATTTTGAAGAAATGTT
 GGAAGTTCAGCAACCAGATCAAATCAGCCAAAGCCTGAGGGAAGCGAGACGAGTGTGCTGAGAGGGGAG
 CCTCTCACTGCAGGTGTCCCCGACCGCGTCTGTTGGCCACCTTGCAGCGCTGGGGCACAACACAGC
 CCAATCCCCCTGTCTGACTGCCTTGGATACAACTGGGAAAGCCGTCTACACTCTCACCTATGGTAACT
 TTGGAGTCGGAGTTTAAACTAGCTTACTCTACTTAATAAACTGACAAGTAAGAATGAACCTCTACTT
 AAACCTGGAGACAGAGTGGCGCTCGTGTTCGGAATAGTGACCTGTGATGTTTCATGTTGCATTTTATG
 GGTGTCTCTGGCAGAGCTGGTTCCTGTCCCATAGAAGTGCCATTAACAAGAAAGGATGCAGGCAGCCA
 GCAGGTTGGGTTTCTGCTGGGCAGCTGTGGAGTCTTCTGGCCCTGACCACAGACGCTTGTGAGAAAGGC
 CTCCCAAGGCACAGACAGGAGAGGTGGCAGCTTCAAAGGTTGGCCCCGCTCTCCTGGCTAGTGATTG
 ATGGGAAGCATCTAGCCAAGCCCCAAAGGACTGGCACCTCTGGCCAGGACACAGGGACTGGGACTGC
 CTACATTGAGTATAAAACCAGCAAAGAAGGAGTACGGTGGGGTACAGTGTCCACGCATCCCTGCTG
 GCACAGTCCCGGCTCTGACCCAGGCGTGGGGTACTCAGAAGCTGAAACATTAACAACGCTGCTGGATT
 TCAAAAGGGATGCTGGTCTGTGGCATGGCGTGTAAACAAGCGTCATGAACAGGATGCACGTGGTCAGCGT
 CCCCTACGCGCTGATGAAGGCGAACCCACTCTCCTGGATCCAGAAAGTGTCTTCTATAAAGCTCGGGCC
 GCGCTGGTGAAGTCGCGAGACATGCACTGGTCTCTCCTAGCTCAGCGGGCCAGAGGGACGTGAGCCTCA
 GCTCACTGCGCATGCTGATTGTGGCCGATGGTGCCAACCCGTTGGTCTCCTCCTGTGACGCCTTCTCT
 CAACGTCTTCCAGTCCAGAGGTCTGAGGCCAGAGGTCTCTGTCCTTGTGCAAGTTCTCCTGAGGCGCTG
 ACTGTCGCCATCCGACGGCCACCTGATCTGGGAGGACCACCTCCAAGAAAAGCAGTCTGTGATGAACG
 GTCTAAGTTATGGTGTTATCAGAGTGGATACTGAAGAAAGTTGTGAGTCTTACTGTTCCAGGACGTTGG
 TCAGGTGATGCCTGGAGCTAATGTATGTGTTGTGAAGTTAGAAGTACCCTTATCTTTGTAAAAGTATGAT
 GAAGTGGGAGAAATATGCGTCAGTTCAGTGAAGTGGCACAGCGTACTATGGATTGCTTGAATCACGA
 AGAATGTGTTGAGGCAGTTCGGTCCACACAGGAGGAGCACCCATCTTTCAGAGCCATTACACAGGAC
 AGGCCTGCTGGCTTTCATCGGGCCTGACAACCTGGTCTTCATCGTGGGCAAAGTGGACGGGCTGATGGTC
 ACTGGAGTTCGCAGACACAATGCAGATGACGTTGTGGCCACCGCACTGGCCGTGGAGCCCATGAAGTTTG
 TCTACAGAGGCAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC229014 representing NM_001146115
 Red=Cloning site Green=Tags(s)

MADRGCPLEAAPLPAEVRESLAELELELSEGDITQKGYEKKRAKLLARYIPLIQGIDPSLQAENRIPGPS
 QTAAAPKQKSRPTASRDERFRSDVHTEAVQAALAKYKERKMPMPKRRSVLVHSSVETYPDTSSAS
 EDEGLRRPGRLTSTPLQSHSSVEPWLDREVIQGSSTSSASSTSSHPGGRPTTAPSAATPGAAATTALA
 GLEAHTHIGVPVNSRVSSKIQQLLNLTAKRPKRPPLKEFFVDDFEELLEVPDPNPQKPEGSETSVLRGE
 PLTAGVPRPPSLLATLQRWGTTQPKSPCLTALDITGKAVYTLTYGKLWSRSLKLAYTLLNKLTSKNEPLL
 KPGDRVALVFPNSDPVMFMVAFYGCLLAELVPVPIEVPLTRKDAGSQVGFLLGSCGVFLALTTDACQKG
 LPKAQTGEVAAFKGWPLSWLVIDGKHLAKPPKDWHLAQTGTGTAYIEYKTSKEGSTVGVTVSHASLL
 AQCRALTQACGYSEAETLTNVLDFKRDAGLWHGVLTSVMNRMHVSVPYALMKANPLSWIQKVCYKARA
 ALVKSRDMHWSLLAQRGQRDVLSLRLMLIVADGANPWSISSCDAFLNVFQSRGLRPEVICPCASSPEAL
 TVAIRRPDLGGPPPKAVLSMNGLSYGVIRVDTEEKLSVLTVDVGVMPGANVCVVKLEGTPYLCKTD
 EVGEICVSSSATGTAYYGLLGITKNVFEAVPVTTGGAPIFDRPFTRTGLLGFIGPDNLVIVGKLDGLMV
 TGVRRHNADDVVATALAVEPMKFVYRGR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001146115

ORF Size: 2394 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_001146115.2](#)

RefSeq ORF: 2397 bp

Locus ID: 23181

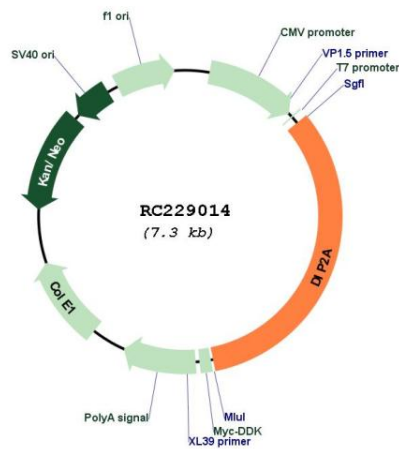
UniProt ID: [Q14689](#)

Cytogenetics: 21q22.3

MW: 85.8 kDa

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]

Product images:



Circular map for RC229014