

Product datasheet for RC228639

DIP2A (NM_001146114) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DIP2A (NM_001146114) 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)
ORF Nucleotide Sequence: >RC228639 representing NM_001146114
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGACCGCGGGTGCCCGCTGGAGGCGGCCGCTGCCTGCCGAGGTGCGGGAGAGCCTGGCTGAGC
 TGGAGCTGGAGCTGTCCGAAGATGTCCACACTGAAGCCGTGAAGCAGCTTTGGCCAAATACAAAGAGAG
 GAAGATGCCTATGCCTTGAAGAGACGTTCTGTCCTTGTGCATTCGTCTGTGGAAACCTACACCCCTCCA
 GACACGTCGTCTGCCTCAGAAGATGAGGGCTCTTACGGCGACCCGGGCGACTCACCTCCACTCCGCTCC
 AGAGCCATTCCAGCGTCGAGCCCTGGCTCGACCGGGTCATTCAGGGCTCGTCCACCTCATCTCTGCATC
 CTCACCTCATCTCACCCGGGAGGGAGACCCACACTGCCTCCAGTGTGAGCCAGCCGGGGGCCGCC
 GCTACCACTGCACTCGCAGGCCTCGAGGCCACACCCACATAGATCTGCATTCTGCCCTCTGATGTCA
 CCACGGGCCTCGTGGAGCATTCTACTTTGAGCGTCCACAGGTGGCTTCTGTGAGAAGTGTCTCGGGG
 GTGCAGCGGGAGCATGTGGAACAGCAGATGGTGTCCCTGTGAACAGCAGAGTGTCTCCAAAATCCAG
 CAGCTTCTGAACCCCTGAAGAGGCCAAAGCGCCCTCCACTGAAGGAGTCTTTGTGGATGATTTGAGG
 AATTGTTGGAAGTTCAGCAACCAGATCCAAATCAGCCAAAGCCTGAGGGAAGCGAGACGAGTGTGCTGAG
 AGGGGAGCCTCTCACTGCAGGTGTCCCCGACCGCGCTGCTGTTGGCCACCTTGACGCGCTGGGGCACA
 ACACAGCCAAATCCCCCTGTCTGACTGCCTTGGATAACAAGTGGAAAGCCGCTACACTCTCACCTATG
 GTAAACTTTGGAGTCGGAGTTTAAAAGTACTTATACTCTACTTAATAAACTGACAAGTAAGAATGAACC
 TCTACTTAAACCTGGAGACAGAGTGGCGCTCGTGTTCGGAATAGTGACCCTGTGATGTTTCATGTTGCA
 TTTTATGGGTGTCTCCTGGCAGAGCTGGTTCCTGTCCCCATAGAAGTGCCATTAACAAGAAAGGATGCAG
 GCAGCCAGCAGGTTGGGTTTCTGCTGGCAGCTGTGGAGTCTTCTTGGCCCTGACCACAGACGCTTGTCA
 GAAAGGCCTCCCCAAGGCACAGACAGGAGAGGTGGCAGCTTTCAAAGGTTGGCCCCGCTCTCTGGCTA
 GTGATTGATGGGAAGCATCTAGCCAAGCCCCAAAGGACTGGCACCTCTGGCCAGGACACAGGGACTG
 GGACTGCCTACATTGAGTATAAAACCAGCAAAGAAGGCAGTACGGTGGGGTACAGTGTCCACGCATC
 CCTGCTGGCACAGTGCCGGCTCTGACCAGCGTGGGGTACTCAGAAGCTGAAACATTAACAACGCTG



[View online >](#)

CTGGATTTCAAAAGGGATGCTGGTCTGTGGCATGGCGTGTTAACAAGCGTCATGAACAGGATGCACGTGG
 TCAGCGTCCCCTACGCGCTGATGAAGGCGAACCCACTCTCCTGGATCCAGAAAGTGTCTTATAAAGC
 TCGGGCCGCGCTGGTGAAGTCCGAGACATGCACTGGTCTCTCCTAGCTCAGCGGGCCAGAGGGACGTC
 AGCCTCAGCTCACTGCGCATGCTGATTGTGGCCGATGGTCCAACCCGTGGTCGATCTCCTCTGTGACG
 CCTTCTCAACGCTTCCAGTCCAGAGGCTGAGGCCAGAGGTACTGTCTTGTGCAAGTTCTCCTGA
 GGCCTGACTGTCGCCATCCGACGGCCACTGATCTGGGAGGACCACCTCCAAGAAAAGCAGTCTGTCC
 ATGAACCGTCTAAGTTATGGTGTATCAGAGTGGATACTGAAGAAAAGTTGTCAGTCTTACTGTTGAG
 AGTTTGGTCAGGTGATGCCTGGAGCTAATGTATGTGTTGTGAAGTTAGAAGGTACCCCTTATCTTTGTAA
 AACTGATGAAGTGGGAGAAATATGCGTCAGTTCAGTGCAACTGGCACAGCGTACTATGGATTGCTTGGAA
 ATCACGAAGAATGTGTTTGGGAGTTCGGGTACCACAGGAGGAGCACCCATCTTTGACAGGCCATTCA
 CCAGGACAGGCCCTGCTGGGCTTTCATCGGCCTGACAACCTGGTCTTTCATCGTGGGCAAACTGGACGGCT
 GATGGTCACTGGAGTTCGACAGACAAATGCAGATGACGTTGTGGCCACCCGACTGGCCGTGGAGCCCATG
 AAGTTTGTCTACAGAGGCAGGATCGCTGTGTTCTCTGTGACCGTGTGCACGACGACCGGATTGCTCTGG
 TGGCTGAGCAGCGCCGGATGCCTCGGAGGAGGACAGCTTCCAGTGGATGAGCCGTGTGCTGACGGCCAT
 TGATAGCATCCACCAGGTGGGCGTGTACTGTCTGGCCCTGGTTCCTGCCAACACCTTGCCAAAGGCTCCT
 CTCGGAGGGATTACATTTCTGAAACCAAACAGCGCTTCTGGAAGGGACGCTGCACCCGTGAATGTGC
 TGATGTGCCCTCACACCTGTGTTACCAACCTCCCCAAACCTCGTCAGAAAACACAGAGGTTGGACCAGC
 CTCAATGATCGTGGGAACTGGTTGCTGGGAAGAGAATCGCTCAGGCTTCCGGGAGAGAGCTCGCCAC
 CTGGAGGACAGCGACAGGCACGGAAGTTCTGTTCTGGCTGACGTGTGCAGTGGCGTGGCCACACCA
 CTCCTGACCACCCGCTGTTCTTGTCTGTAACGCCAAGGGCACCGTCACAAGCACTGCAACCTGTGTCCA
 GCTGCACAAAAGGGCTGAGAGAGTGGCCGCGCTCTGATGGAGAAGGGAAGACTGAGTGTGGGGACCAT
 GTGGCTGTGGTCTACCCACAGGGGTGGACCTCATTGCCGCTTCTATGGCTGCTGTACTGTGGCTGCG
 TGCTGTACCCGTGGGCCCCGACCCCTCAGAACCTCGGACCCACACTGCCACCGTCAAGATGATCGT
 GGAGGTACAGCAAGTCTGCATGCGTCTCACCACGCAAGGCTGTACACGGCTGCTCAGGTCCAAGGAGGCT
 GCTGCTGCCGTGGACATCAGGACCTGGCCACCATCCTAGACACAGATGACATCCAAAAAAGAAGATAG
 CAAGCGTTTTTCAGGCCCCCTCCCCGATGTCTCGCATACTTGGACTTCAGCGTGTCAACCCTGGGAT
 ATTAGCGGGAGTGAAGCGGGGCGTGGTGGCTCACGCCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC228639 representing NM_001146114
 Red=Cloning site Green=Tags(s)

MADRGCPLEAAPLPAEVRESLAELELELSEDVHTEAVQAALAKYKERKMPMPKRRSVLVHSSVETYP
 DTSSASEDEGLRRPGRLLTSTPLQSHSSVEPWLDRVIQGSSTSSASSTSSHPGGRPTTAPSAATPGAA
 ATTALAGLEAHTHIDLHSAPPDVTGLVEHSYFERPQVASVRSVPRGCSGSMLETADGVPVNSRVSSKI
 QLLNLTLRKRPPLKEFFVDDFEELLELVQPPDPNQPKEGSETSVLRGEPLTAGVPRPPLLATLQRWGT
 TQPKSPCLTALDTTGKAVYTLTYGKLWSRSLKLAYTLLNKLTSKNEPLLKPGDRVALVFPNSDPVFMVA
 FYGCLLAEVPIEVPLTRKDAGSQVGFLLGSCGVFLALTTDACCQKGLPKAQTGEVAAFKGWPPLSWL
 VIDGKHLAKPPKDWHLAQTGTGTAYIEYKTSKEGSTVGVTVSHASLLAQCRALTAQCYSEAETLTVN
 LDFKRDAGLWHGVLTSVMNRMHVSVVPYALMKNPLSWIQKVCFYKARAALVKSRDMHWSLLAQRGQRDV
 SLSSRLMLIVADGANPWSISSDAFLNVFQSRGLRPEVICPCASSPEALTVAIRRPPDLGGPPPRKAVLS
 MNGLSYGVIRVDTEEKL SVLTVQDVGQVMPGANVCVVKLEGTPLYLCKTDEVGEICVSSSATGTAYYLLG
 ITKNVFEAVPVTGGAPIFDRPFTRTGLLGFIGPDNLVFIGKLDGLMVTGVRHRNADDVVATALAVEPM
 KFYVYRGI AVFSVTVLHDDRIVLVAEQRPDASEEDSFQWMSRVLQAIDS IHQVGVYCLALVPANTLPKAP
 LGGIHISETKQRFLEGLTHPCNVLMCPHTCVTNLPKPRQKQPEVGPASMI VGNLVAGKRI AQASGRELAH
 LEDSDQARKFLFLADVLQWRAHTTPDHPLFLLNNAKGTVTSTATCVQLHKRAERVAALMEKGRLSVGDH
 VALVYPPGVDLIAAFYGLCYCGVPVTVRPPHPQNLGTTLPVKMIVEVSKSACVLTTQAVTRLLRSKEA
 AAVIDIRTWPTILDITDDIPKKIASVFRPPSPDVLAYLDFSVSTTGILAGVKAGRGGSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001146114

ORF Size: 3330 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_001146114.1](#), [NP_001139586.1](#)

RefSeq ORF: 3333 bp

Locus ID: 23181

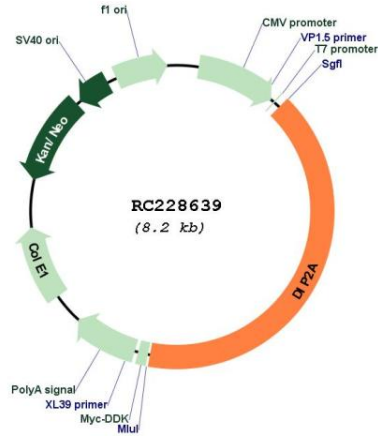
Cytogenetics: 21q22.3

MW: 119.3 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 RC228639