

## Product datasheet for **RC216792**

### DIP2A (NM\_206891) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DIP2A (NM_206891) 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:

>RC216792 representing NM\_206891  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTGACCGCGGGTGCCCGCTGGAGGCGGCCCGCTGCCTGCCGAGGTGCGGGAGAGCCTGGCTGAGC  
 TGGAGCTGGAGCTGTCGGAAGGTGACATCACTCAAAAAGGATATGAAAAGAAAAGGGCAAAGCTGCTTGC  
 ACGTTATATACCGCTTATTCAAGGAATAGACCCATCTCTGCAAGCAGAGAATAGAATTCCTGGGCCCTCA  
 CAAACCACGGCCGCTGCACCCAAGCAGCAGAAGTCTCGGCCACCGCCTCGAGGGATGAGCGCTTCCGGT  
 CAGATGTCACACTGAAGCCGTGCAAGCAGCTTTGGCCAAATACAAAGAGAGGAAGATGCCTATGCCTTC  
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 GGCTCGAGGCCACACCCACATAGATCTGCATTCGCCCTCCTGATGTACCACGGGCCCTCGTGGAGC  
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 AAGAGGCCAAAGCGCCCTCCACTGAAGGAGTCTTTGTGGATGATTTTGAGGAATTGTTGGAAGTTCAGC  
 AACCAGATCCAAATCAGCCAAAGCCTGAGGGAAGCAGACGAGTGTGCTGAGAGGGGAGCCTCTCACTGC  
 AGGTGTCCCCGACCGCGTCTGTGGCCACCTTGCAGCGTGGGGCACAACAGCCAAATCCCC  
 TGCTGACTGCCTTGATACAACGGGAAAGCCGCTACACTCACCTATGGTAACTTTGGAGTCGGA  
 GAGAGTGGCGCTCGTGTTCGGAATAGTGACCCTGTGATGTTTCATGGTTGCATTTTATGGGTGCTCCTG  
 GCAGAGCTGGTTCCTGTCCCATAGAAGTGCCATTAACAAGAAAGGATGCAGGCAGCCAGCAGGTTGGT  
 TTCTGCTGGGCGCTGTGGAGTCTTCTGGCCCTGACCACAGACGCTTGTGAGAAAGCCTCCCCAAGGC  
 ACAGACAGGAGAGGTGGCAGCTTCAAAGGTTGGCCCCGCTCTCCTGGCTAGTGATTGATGGGAAGCAT  
 CTAGCCAAAGCCCCAAAGGACTGGCACCCTCTGGCCAGGACACAGGGACTGGGACTGCCTACATTGAGT  
 AAAAAACCAGCAAAGAAGGCAGTACGGTGGGGTACAGTGTCCACGCATCCCTGCTGGCACAGTGCCG  
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 GGTGTTATCAGAGTGGATACTGAAGAAAAGTGTGAGTCCCTACTGTTTCAAGGACGTTGGTCAGGTGATGC  
 CTGGAGCTAATGTATGTGTTGTGAAGTTAGAAGTACCCTTATCTTTGTAAGTGTGAAGTGGGAGA  
 AATATGCGTCAGTTCAGTGAAGTGGCACAGCGTACTATGGATTGCTTGAATACGAAGAATGTGTTT  
 GAGGCAGTTCGGTCCACCACAGGAGGAGCACCCATCTTTGACAGGCCATTACCAGGACAGGCCTGCTGG  
 GCTTCATCGGCCCTGTGAGTATGTCCTCCTGTACCAGCACTGGCAGTCAGAGAAGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC216792 representing NM\_206891  
 Red=Cloning site Green=Tags(s)

```
MADRGCPLEAAPLPAEVRESLAELELELSEGDITQKGYEKKRAKLLARYIPLIQGIDPSLQAENRIPGPS
QTAAAPKQKSRPTASRDERFRSDVHTEAVQAALAKYKERKMPMPKRRSVLVHSSVETYPDTSSAS
EDEGLRRPGRLTSTPLQSHSSVEPWLD RVIQGSSTSSASSTSSHPGGRPTTAPSAATPGAAATTALA
GLEAHTHIDLHSAPPDVTGLVEHSYFERPQVASVRSVPRGCSGSMLETADGVPVNSRVSSKIQLLNTL
KRPKRPPLEKFFVDDFEELLELEVQPPDPNQPKPEGSETSVLRGEPLTAGVPRPPSLLATLQRWGTTQPKSP
CLTALDTTGKAVYTLTYGKLWSRSLKLAYTLLNKLTSKNEPLLKPGDRVALVFPNSDPVMFMVAFYGCLL
AELVPVPIEVPLTRKDAGSQVGFLLGSCGVFLALTTDACQKGLPKAQTGEVAAFKGWPPLSWLVIDGKH
LAKPPKDWHLAQDTGTGTAYIEYKTSKEGSTVGVTVSHASLLAQCRALTQACGYSEAETLTNVLDFKRD
AGLWHGVLTSVMNRMHVSVPYALMKANPLSWIQKVC FYKARAALVKSRDMHWSLLAQRGQRDVSLSSLR
MLIVADGANPWSISSCDAFLNVFQSRGLRPEVICPCASSPEALTVAIRRPPDLGGPPPRKAVLSMNGLSY
GVIRVDTEEKLSVLTQVDVGVMPGANVCVVKLEGTPLYLCKTDEVGEICVSSSATGTAYYGLLGITKNVF
EAVPVTTGGAPIFDRPFRTRTGLLGFIPVSMSSCTSTGSQRR
```

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

Cloning Scheme:



ACCN: NM\_206891

ORF Size: 2436 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\\_206891.3](#)

**RefSeq Size:** 2927 bp

**RefSeq ORF:** 2439 bp

**Locus ID:** 23181

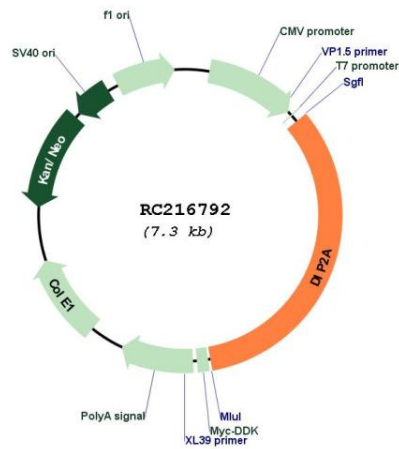
**UniProt ID:** [Q14689](#)

**Cytogenetics:** 21q22.3

**MW:** 87.3 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 RC216792