

## Product datasheet for **RG216792**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DIP2A (NM_206891) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DIP2A
Synonyms:	C21orf106; DIP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide  
Sequence:

>RG216792 representing NM\_206891  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTGACCGCGGGTGCCCGCTGGAGGCGGCCCGCTGCCTGCCGAGGTGCGGGAGAGCCTGGCTGAGC  
 TGGAGCTGGAGCTGTCGGAAGGTGACATCACTCAAAAAGGATATGAAAAGAAAAGGGCAAAGCTGCTTGC  
 ACGTTATATACCGCTTATTCAAGGAATAGACCCATCTCTGCAAGCAGAGAATAGAATTCCTGGGCCCTCA  
 CAAACCACGGCCGCTGCACCCAAGCAGCAGAAGTCTCGGCCACCGCCTCGAGGGATGAGCGCTTCCGGT  
 CAGATGTCCACACTGAAGCCGTGCAAGCAGCTTTGGCCAAATACAAGAGAGGAAGATGCCTATGCCTTC  
 GAAGAGACGTTCTGTCTTGTGCATTCTGTGGAACTACACCCCTCCAGACACGTCGTCTGCCTCA  
 GAAGATGAGGGCTCTTACGGCGACCCGGGCGACTCACCTCCACTCCGCTCCAGAGCCATTCCAGCGTCC  
 AGCCCTGGCTCGACCGGGTCATTAGGGCTCGTCCACCTCATCCTCTGCATCCTCCACCTCATCTACCC  
 GGGAGGGAGACCACACTGCTCCAGTCTGCAGCCACGCCGGGGCCCGCTACCCTGCACCTCGCA  
 GGCTCGAGGCCACACCACATAGATCTGCATTCGCCCTCCTGATGTACCAGGGCCCTCGTGGAGC  
 ATTCGTAATTTGAGCGTCCACAGGTGGCTTCTGTGAGAAGTGTTCCTCGGGGGTGACGCGGGAGCATGCT  
 GGAAACAGCAGATGGTGTCCCTGTGAACAGCAGAGTGTCTCCAAAATCCAGCAGCTTCTGAACACCCTG  
 AAGAGGCCAAAGCGCCCTCCACTGAAGGAGTCTTTGTGGATGATTTTGAAGGAATTGTTGGAAGTTCAGC  
 AACCAGATCCAAATCAGCCAAAGCCTGAGGGAAGCAGACGAGTGTGCTGAGAGGGGAGCCTCTCACTGC  
 AGGTGTCCCCGACCGCGTCTGTGGCCACCTTGCAGCGTGGGGCACAACAGCCAAATCCCC  
 TGCTGACTGCCTTGGATACAACGGGAAAGCCGCTACACTCACCTATGGTAACTTTGGAGTCGGA  
 GTTTAAACTAGCTTATACTACTTAATAAACTGACAAGTAAGAATGAACCTCTACTTAACTGGAGA  
 CAGAGTGGCGCTCGTGTTCGGAATAGTGACCCTGTGATGTTTCATGGTTGCATTTTATGGGTGTCTCCTG  
 GCAGAGCTGGTTCCTGTCCCATAGAAGTGCCATTAACAAGAAAGGATGCAGGCAGCCAGCAGGTTGGT  
 TTCTGCTGGGCGCTGTGGAGTCTTCTTGGCCCTGACCACAGACGCTTGTGAGAAAGCCCTCCCCAAGGC  
 ACAGACAGGAGAGGTGGCAGCTTCAAAGGTTGGCCCCGCTCTCCTGGCTAGTGATTGATGGGAAGCAT  
 CTAGCCAAGCCCCAAAGGACTGGCACCCTTGGCCCAGGACACAGGGACTGGGACTGCCTACATTGAGT  
 AAAAAACCAGCAAAGAAGGCAGTACGGTGGGGTACAGTGTCCACGCATCCCTGCTGGCACAGTGCCG  
 GGCTCTGACCCAGGCGTGCGGTACTCAGAAGTGAAACATTAACAACCTGCTGGATTTCAAAGGGAT  
 GCTGGTCTGTGGCATGGCGTGTAAACAAGCGTCATGAACAGGATGCACGTGGTACAGCTCCCTACGCGC  
 TGATGAAGGCGAACCCTCTCCTGGATCCAGAAAGTGTCTTATAAAGCTCGGGCCGCGCTGGTGAA  
 GTCGCGAGACATGCACTGGTCTCTCTAGCTCAGCGGGCCAGAGGGACGTCAGCCTCAGCTCACTGCGC  
 ATGCTGATTGTGGCCGATGGTGCCAACCCGTGGTGCATCTCCTCCTGTGACGCCTTCTCAACGTTTCC  
 AGTCCAGAGGTCTGAGGCCAGAGGTCACTGTCTTGTGCAAGTTCTCCTGAGGCGCTGACTGTCGCCAT  
 CCGCAGGCCACCTGATCTGGGAGGACCCTCAAAGAAAAGCAGTCTGTGATGAACGGTCTAAGTTAT  
 GGTGTTATCAGAGTGGATACTGAAGAAAAGTGTGAGTCTTACTGTTTCAAGGACGTTGGTCAAGTATGC  
 CTGGAGCTAATGTATGTGTTGTGAAGTTAGAAGTACCCTTATCTTTGTAAGTATGAAGTGGGAGA  
 AATATGCGTCAGTTCAGTGAAGTGGCACAGCGTACTATGGATTGCTTGAATACGAAGAATGTGTTT  
 GAGGCAGTTCGGTCCACCACAGGAGGAGCACCCATCTTTGACAGGCCATTACCAGGACAGGCGCTGCTGG  
 GCTTCATCGGGCCTGTGAGTATGCTCCTGTACCAGCACTGGCAGTCAGAGAAGG

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG216792 representing NM\_206891  
 Red=Cloning site Green=Tags(s)

```
MADRGCPLEAAPLPAEVRESLAELELELSEGDITQKGYEKKRAKLLARYIPLIQGIDPSLQAENRIPGPS
QTAAAPKQKSRPTASRDERFRSDVHTEAVQAALAKYKERKMPMPKRRSVLVHSSVETYPDTSSAS
EDEGLRRPGRLTSTPLQSHSSVEPWLD RVIQGSSTSSASSTSSHPGGRPTTAPSAATPGAAATTALA
GLEAHTHIDLHSAPPDVTGLVEHSYFERPQVASVRSVPRGCSGSMLETADGVPVNSRVSSKIQLLNTL
KRPKRPPLEKFFVDDFEELLELEVQPPDPNQPKPEGSETSVLRGEPLTAGVPRPPSLLATLQRWGTTQPKSP
CLTALDTTGKAVYTLTYGKLWSRSLKLAYTLLNKLTSKNEPLLKPGDRVALVFPNSDPVMFMVAFYGCLL
AELVPVPIEVPLTRKDAGSQVGFLLGSCGVFLALTTDACQKGLPKAQTGEVAAFKGWPPLSWLVIDGKH
LAKPPKDWHLAQDTGTGTAYIEYKTSKEGSTVGVTVSHASLLAQCRALTQACGYSEAETLTNVLDFKRD
AGLWHGVLTSVMNRMHVSVPYALMKANPLSWIQKVC FYKARAALVKSRDMHWSLLAQRGQRDVSLSSLR
MLIVADGANPWSISSCDAFLNVFQSRGLRPEVICPCASSPEALTVAIRRPPDLGGPPPRKAVLSMNGLSY
GVIRVDTEEKLSVLTQVDVGVMPGANVCVVKLEGTPYLCKTDEVGEICVSSSATGTAYYGLLGITKNVF
EAVPVTTGGAPIFDRPFRTRTGLLGFIGPVSMSSTSTGSQRR
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



**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

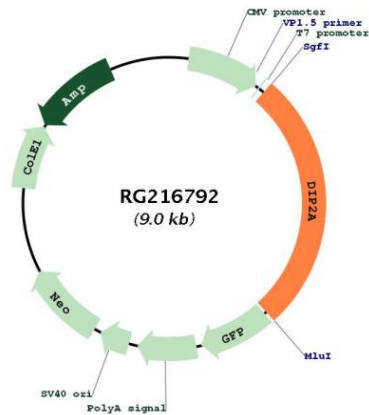
**Locus ID:** 23181

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

**Cytogenetics:** 21q22.3

**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 RG216792