

Product datasheet for **RC207163**

DIP2A (NM_206889) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DIP2A (NM_206889) 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)



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ORF Nucleotide
Sequence:

>RC207163 representing NM_206889
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTGACCGCGGGTGCCCGCTGGAGGCGGCCCGCTGCCTGCCGAGGTGCGGGAGAGCCTGGCTGAGC
 TGGAGCTGGAGCTGTCGGAAGGTGACATCACTCAAAAAGGATATGAAAAGAAAAGGGCAAAGCTGCTTGC
 ACGTTATATACCGCTTATTCAAGGAATAGACCCATCTCTGCAAGCAGAGAATAGAATTCCTGGGCCCTCA
 CAAACCACGGCCGCTGCACCCAAGCAGCAGAAGTCTCGGCCACCGCCTCGAGGGATGAGCGCTTCCGGT
 CAGATGTCACACTGAAGCCGTGCAAGCAGCTTTGGCCAAATACAAGAGAGGAAGATGCCTATGCCTTC
 GAAGAGACGTTCTGTCTTGTGCATTCTGTGGAACTACACCCCTCCAGACACGTCGTCTGCCTCA
 GAAGATGAGGGCTCTTACGGCGACCCGGGCGACTCACCTCCACTCCGCTCCAGAGCCATTCCAGCGTCG
 AGCCCTGGCTCGACCGGGTCATTAGGGCTCGTCCACCTCATCTCTGCATCTCCACCTCATCTACCC
 GGGAGGGAGACCACACTGCTCCAGTCTGCAGCCACGCCGGGGCCCGCTACCCTGCACCTCGCA
 GGCTCGAGGCCACACCCACATAGATCTGCATTCTGCCCTCCTGATGTACCAGGGCCCTCGTGGAGC
 ATTCGTACTTTGAGCGTCCACAGGTGGCTTCTGTGAGAAGTGTTCCTCGGGGGTGACGCGGGAGCATGCT
 GGAAACAGCAGATGGTGTCCCTGTGAACAGCAGAGTGTCTCCAAAATCCAGCAGCTTCTGAACACCCTG
 AAGAGGCCAAAGCGCCCTCCACTGAAGGAGTCTTTGTGGATGATTTTGAGGAATTGTTGGAAGTTCAGC
 AACCAGATCCAAATCAGCCAAAGCCTGAGGGAAGCAGACGAGTGTGCTGAGAGGGGAGCCTCTCACTGC
 AGGTGTCCCGACCGCGTCTGTGGCCACCTTGCAGCGTGGGGCACAACAGCCAAATCCCC
 TGCTGACTGCCTTGATACAACCTGGAAAGCCGTCTACACTCACCTATGGTAACTTTGGAGTCGGA
 GTTTAAACTAGCTTATACTCTACTTAATAAACTGACAAGTAAGAATGAACCTCTACTTAACTTAACTG
 CAGAGTGGCGCTCGTGTTCGGAATAGTGACCCTGTGATGTTTCATGGTTGCATTTTATGGGTGTCCTCG
 GCAGAGCTGGTTCCTGTCCCATAGAAGTGCCATTAACAAGAAAGGATGCAGGCAGCCAGCAGGTTGGT
 TTCTGCTGGGCGCTGTGGAGTCTTCTTGGCCCTGACCACAGACGCTTGTGAGAAAGCCCTCCCCAAGGC
 ACAGACAGGAGAGGTGGCAGCTTCAAAGGTTGGCCCCGCTCTCCTGGCTAGTGATTGATGGGAAGCAT
 CTAGCCAAAGCCCCAAAGGACTGGCACCCTTGGCCCAGGACACAGGGACTGGGACTGCCTACATTGAGT
 AATAAACAGCAAAGAAGGCAGTACGGTGGGGTACAGTGTCCACGCATCCCTGCTGGCACAGTGCCG
 GGCTCTGACCCAGGCGTGGGGTACTCAGAAGCTGAAACATTAACAACCTGCTGGATTTCAAAGGGAT
 GCTGGTCTGTGGCATGGCGTGTAAACAAGCGTCAATGAACAGGATGCACGTGGTCAAGCTCCCTACGCGC
 TGATGAAGGCGAACCCTCTCCTGGATCCAGAAAGTGTCTTCTATAAAGCTCGGGCCGCGCTGGTGA
 GTCGCGAGACATGCACTGGTCTCTCTAGCTCAGCGGGGCCAGAGGGACGTGAGCCTCAGCTCACTGCGC
 ATGCTGATTGTGGCCGATGGTGCCAACCCGTGGTGCATCTCCTCCTGTGACGCCTTCTCAACGTTCTCC
 AGTCCAGAGGTCTGAGGCCAGAGGTCACTGTCTTGTGCAAGTCTCCTGAGGCGCTGACTGTCCGCAT
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 GGTGTTATCAGAGTGGATACTGAAGAAAAGTGTGAGTCTTACTGTTTCAAGGACGTTGGTCAAGTATGC
 CTGGAGCTAATGTATGTGTTGTGAAGTTAGAAGTACCCTTATCTTTGTAAGTATGAAGTGGGAGA
 AATATGCGTCAGTTCAGTGAAGTGGCAGCGTACTATGGATTGCTTGAATACGAAGAATGTGTTT
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 GCTTATCGGGCTGACAACCTGGTCTTATCGTGGGCAAACTGGACGGGCTGATGGTCACTGGAGTTG
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 AGGATCGTGTGTTCTCTGTGACCGTGTGCACGACGACCGGATTGCTCCTGGTGGCTGAGCAGCGGCCG
 ATGCCTCGGAGGAGGACAGCTTCCAGTGGATGAGCCGTGTGCTGCAGGTGGGCGCCCGGCACGGCTAT
 GGTTCCG

ACCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC207163 representing NM_206889
 Red=Cloning site Green=Tags(s)

MADRGCPLEAAPLPAEVRESLAELELESEGDIQKGYEKKRAKLLARYIPLIQGIDPSLQENRIPGPS
 QTAAAPKQKSRPTASRDERFRSDVHTEAVQAALAKYKERKMPMPKRRSVLVHSSVETYTPDTSAS
 EDEGLRRPGRLTSTPLQSHSSVEPWLDRIQGSSTSSASSTSSHPGGRPTTAPSAATPGAAATTALA
 GLEAHTHIDLHSAPPDVTGLVEHSYFERPQVASVRSVPRGCSGSMLETADGVPVNSRVSSKIQLLNTL
 KRPKRPPLKEFFVDDFEELLELVQDPDPNQPKPEGSETSVLRGEPLTAGVPRPSSLATLQRWGTTQPKSP
 CLTALDTTGKAVYTLTYGKLWSRSLKLAYTLNLKLTSKNEPLLKPGDRVALVFPNSDPVMFMVAFYGCLL
 AELVPVPIEVPLTRKDAGSQQVGFLLGSCGVFLALTTDACQKGLPKAQTGEVAAFKGWPPLSWLVIDGKH
 LAKPPKDWHLAQDTGTGTAYIEYKTSKEGSTVGVTVSHASLLAQCRALTQACGYSEAETLNVLDKFRD
 AGLWHGVLTSVMNRMHVSVYPYALMKANPLSWIQKVC FYKARAALVSRDMHWSLLAQRGQRDVSLSLR
 MLIVADGANPWSISSCDAFLNVQSRGLRPEVICPCASSPEALTVAIRPPDLGGPPPKAVLSMNGLSY
 GVIRVDTEEKL SVLTVQDVGVMPGANVCVVKLEGTPYLCKTDEVGEICVSSSATGTAYYGLLGITKNVF
 EAVPVTTGGAPIFDRPFTRTGLLGFIPDNLVFI V GKLDGLMVTGVRRHADDVVATALAVEMKFVYRG
 RIAVFSVTVLHDDRIVLVAEQRPDASEEDSFQWMSRVLQVGAPARPMVR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

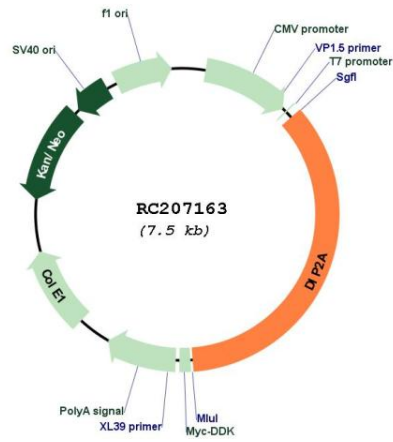
Cloning Scheme:



ACCN: NM_206889

ORF Size:	2667 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:	<ol style="list-style-type: none">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_206889.3
RefSeq Size:	3121 bp
RefSeq ORF:	2670 bp
Locus ID:	23181
UniProt ID:	Q14689
Cytogenetics:	21q22.3
MW:	96 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 RC207163