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Product datasheet for RC215713

DIP2A (NM_206890) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DIP2A (NM_206890) 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:

>RC215713 representing NM_206890
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGACCGCGGGTGCCCGCTGGAGGCGGCGCCGCTGCCTGCCGAGGTGCGGGAGAGCCTGGCTGAGC
TGGAGCTGGAGCTGTCGGAAGGTGACATCACTCAAAAAGGATATGAAAAGAAAAGGGCAAAGCTGCTTGC
ACGTTATATACCGCTTATTCAAGGAATAGACCCATCTCTGCAAGCAGAGAATAGAATTCCTGGGCCCTCA
CAAACCACGGCCGCTGCACCCAAGCAGCAGAAGTCTCGGCCCACCGCCTCGAGGGATGAGCGCTTCCGGT
CAGATGTCCACACTGAAGCCGTGCAAGCAGCTTTGGCCAAATACAAAGAGAGGAAGATGCCTATGCCTTC
GAAGAGACGTTCTGTCCTTGTGCATTCGTCTGTGGAAACCTACACCCCTCCAGACACGTCGTCTGCCTCA
GAAGATGAGGGCTCTTTACGGCGACCCGGGCGACTCACCTCCACTCCGCTCCAGAGCCATTCCAGCGTCG
AGCCCTGGCTCGACCGGGTCATTCAGGGCTCGTCCACCTCATCCTCTGCATCCTCCACCTCATCTCACCC
GGGAGGGAGACCCACCACTGCTCCCAGTGCTGCAGCCACGCCGGGGGCCGCCGCTACCACTGCACTCGCA
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ATAAAACCAGCAAAGAAGGCAGTACGGTGGGGGTCACAGTGTCCCACGCATCCCTGCTGGCACAGTGCCG
GGCTCTGACCCAGGCGTGCGGGTACTCAGAAGCTGAAACATTAACAAACGTGCTGGATTTCAAAAGGGAT
GCTGGTCTGTGGCATGGCGTGTTAACAAGCGTCATGAACAGGATGCACGTGGTCAGCGTCCCCTACGCGC
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AGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

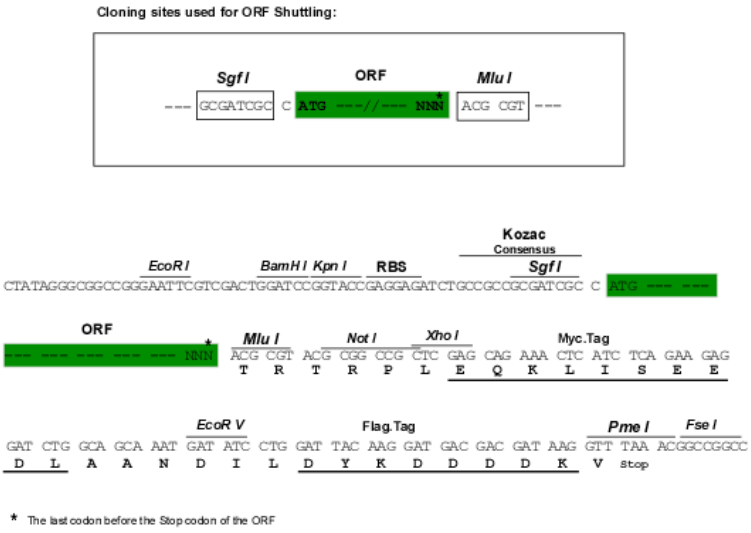
>RC215713 representing NM_206890
Red=Cloning site Green=Tags(s)

MADRGCPLEAAPLPAEVRESLAELELELSEGDITQKGYEKKRAKLLARYIPLIQGIDPSLQAENRIPGPS
QTTAAAPKQQKSRPTASRDERFRSDVHTEAVQAALAKYKERKMPMPSKRRSVLVHSSVETYTPPDTSSAS
EDEGSLRRPGRLTSTPLQSHSSVEPWLDRVIQGSSTSSSASSTSSHPGGRPTTAPSAAATPGAAATTALA
GLEAHTHIDLHSAPPDVTTGLVEHSYFERPQVASVRSVPRGCSGSMLETADGVPVNSRVSSKIQQLLNTL
KRPKRPPLKEFFVDDFEELLEVQQPDPNQPKPEGSETSVLRGEPLTAGVPRPPSLLATLQRWGTTQPKSP
CLTALDTTGKAVYTLTYGKLWSRSLKLAYTLLNKLTSKNEPLLKPGDRVALVFPNSDPVMFMVAFYGCLL
AELVPVPIEVPLTRKDAGSQQVGFLLGSCGVFLALTTDACQKGLPKAQTGEVAAFKGWPPLSWLVIDGKH
LAKPPKDWHPLAQDTGTGTAYIEYKTSKEGSTVGVTVSHASLLAQCRALTQACGYSEAETLTNVLDFKRD
AGLWHGVLTSVMNRMHVVSVPYALMKANPLSWIQKVCFYKARAALVKSRDMHWSLLAQRGQRDVSLSSLR
MLIVADGANPWSISSCDAFLNVFQSRGLRPEVICPCASSPEALTVAIRRPPDLGGPPPRKAVLSMNGLSY
GVIRVDTEEKLSVLTVQDVGQVMPGANVCVVKLEGTPYLCKTDEVGEICVSSSATGTAYYGLLGITKNVF
EAVPVTTGGAPIFDRPFTRTGLLGFIGPDNLVFIVGKLDGLMVTGVRRHNADDVVATALAVEPMKFVYRG
R

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

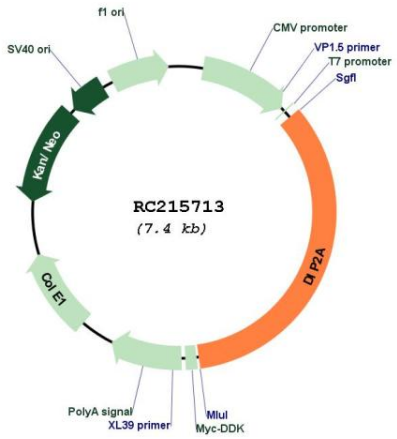
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_206890
ORF Size:	2523 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_206890.3
RefSeq Size:	2887 bp
RefSeq ORF:	2526 bp
Locus ID:	23181
UniProt ID:	Q14689
Cytogenetics:	21q22.3
MW:	90.6 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 RC215713