

Product datasheet for MR222829

Dip2a (NM_001081419) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dip2a (NM_001081419) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dip2a
Synonyms: 4931420H10Rik; AI426328; Dip2; Kiaa0184-hp; mKIAA0184
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR222829 representing NM_001081419
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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ATGGCCGACCGCGGATGCCCTCTGGAGGCGGCCGCTGCCCGCGAGGTGCTCGAGAGCCTGGCGGAGC
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CCGCTGGCCCAGGACACAGGGTCCAGGACTGCCTACATTGAATATAAAACCAGCAAAGAAGGCAGCACAG
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >MR222829 representing NM_001081419
 Red=Cloning site Green=Tags(s)

MADRGCPLEAAPLPAEVLES LAELELELSEGDITQKGYEKKRAKLLARYIPLIQGVDPCLQTENRIPGPL
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 DEGSLRRPGRLTSTLLQSHSGIEPWLDRVIQGSSTSSASSTSSHPGGRPAAPSASTALAGLTAHAHID
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 PLAQDTGSR TAYIEYKTSKEGSTVGTVSHSSLLAQCQAL TQACGYTEAETL TNVLD FKRDAGLWHGVLT
 SVMNRMHVITIPYALMKVNPLSWIQKVCYKARAALVKS RDMHWSLLAQRGQRDVCLSSLRMLIVADGAN
 PWSISSCDAFLNVFQSRGLRPEVICPCASSPEALTVAIRPPDLGGPPPRKAVLSMNGLSYGVIRVDTEE
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 VPVSDRPFTRTGLLGFIGPDNLV FVVGKLDGLMVVGVRRHNADDIVATALAVEPMKFVYRGRIAVFSVTV
 LHDDRIVLVAEQRPDASEEDSFQWMSRVLQAIDS IHQVGYCLALVPANTLPKAPLGGIHISETKQRFLE
 GTLHPCNVLMCPHTCVTNL PKPRQKQPEVGPASMI VGNLVAGKRIAQASGRELAHLESDQARKFLFLAD
 VLQWRAHTTPDHPLFLLNNAKGTVTSTATCIQLHKRAERVAALMEKGRLDAGDHVALVYPPGVDLIAAF
 YGCLYCGCVPTVRPPHPQNLGTTLPVKMIVEVSKSACVLTSTQAITRLKSKAAAAVDVRTWPTILD
 DDIPKKKVASIFRPPSPDVLAYLDFSVSTTGILAGVKMSHAATSALCRS IKLQCELYPSRQIAICLDPYC
 GLGFALWCLCSVYSGHQSVLVPLELESNVSLWL SAVSQYKARVTFCSYSVMEMCTKGLGAQTGALRMKG
 VNLSCVRTCMVVAEERPRISLTQSF SKLFDLGLPARAVSTTFGCRVNVAI CLQGTTPDPTTVYDMRA
 LRHDRVRLVERGSPHSLPLMESGKILPGVKVIAHTETKGPLGDSHLGEI WSSPHNATGYTYVGEETL
 HADHFSARLSFGDTQTIWARTGYLGFRLRTELDASGERHDALYVVGSLDETELRLRGMRYHPIDIETSVI
 RAHRSAECAVFTWTNLLV VVVVELDGLEQDALDLVALVTNVVLEEHLVVGVVVIVDPGVIPINSRGEKQ
 RMHLRDGFLADQLDPIYVAYNM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9102_a07.zip

Restriction Sites: SgfI-MluI

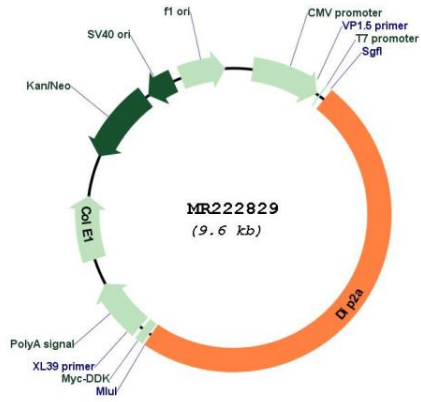
Cloning Scheme:



ACCN: NM_001081419

| | |
|-------------------------------|---|
| ORF Size: | 4686 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_001081419.2 , NP_001074888.2 |
| RefSeq Size: | 6370 bp |
| RefSeq ORF: | 4689 bp |
| Locus ID: | 64451 |
| UniProt ID: | Q8BWT5 |
| Cytogenetics: | 10 38.76 cM |
| MW: | 169.5 kDa |
| Gene Summary: | May provide positional cues for axon pathfinding and patterning in the central nervous system.[UniProtKB/Swiss-Prot Function] |

Product images:



Circular map for MR222829