

Product datasheet for RN217657

Dip2a (NM_001191564) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Dip2a (NM_001191564) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Dip2a
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN217657 representing NM_001191564
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCCGACCCGGATGCCCTCTGGAGGCGGCCCGCTGCCCGCCGAGGTGCTCGAGAGCCTGGCGGAGC
 TGGAGCTGGAGCTGTCCGAAGGTGACATCACTCAGAAAGGATATGAGAAGAAGAGGGCGAAGCTGTGGC
 TCGTTATATCCCCCTATTCAAGGAGTGGACCCCTGTCTGCAAAACAGAGAGTAGAGTCCCTGGGCCCTG
 CTGACTGCACCTACAGCTAAACCCACAGAAGCCTCGGGCCAACTCGAGGGATGAGCGGTTCCGGTCAAGT
 TTCACACGGAAGCCGTGCAGGCAGCTCTGGCCAAGTACAAGGAGAGGAAGATGCCCATGCCTTCAAAGAG
 ACGGTCTGCCCTTGTGCACTCATCCGTGAAAACCTATACACCTCCAGACACGTCATCTGCCTCAGAAGAT
 GAGGGCTCTTTACGGCGACCTGGGCGACTCACCTCCACTCTGCTCCAGAGCCATTCCGGCATCGAGCCCT
 GGCTCGACAGGGTCATTAGGGCTCGTCCACTTTCATCCTCTGCATCCTCCACCTCATCCCACCCGGGAGG
 GAGACCTGCTGCTGCCAGTGCCTCCACTGCGCTTGCAGGCCCTCACGGCCACGCCACATAGATCCG
 CACTCCGCCCCACCCGATGTTACCACTGGGCTTGTGGAACACTCACACTTCGAGCGTCCACAGATGGCT
 CTGTACGAGGTGTTCTCGAGGGCACGGCAGGAACATGCTGGAGACCCGAGATGGTGTGCCCTGTGAACAG
 CAGAGTGTCTCCAAAATCCAGCAGCTATTGAATACCCTGAAGAGGCCAAAACGCCCTCCTCTGAAGGAG
 TTTTTGTGGATGATTTTGGAGGTTACTGGAAGTTCAGCAACCGGATCCCAATCAGCCCAAGCCGGAGG
 GGGAGCAGATGGCTGTGCTGAAGGGAGAACCTCTGTCACTGGGGACTTCGGGGCCACCAACTCTGTTGGC
 TGCAGTGCAGCTGTGGGGCACAACACAGCCTAAGGCCCTGCCTGACTGCCTTGGATACATCGGGGAAA
 GCCATCTGCACCCCTCACCTATGGCAAACCTGGAGTCGGAGCTTAAAATTAGCTTATACTGCTCAGTA
 AGCTGACTAGTAAGAATGAGCCACTGCTTAAACCTGGAGACAGGGTGGCACTCGTGTTCCAAATAGTGA
 CCCTGTAATGTTTATGGTTGCGTTTTACGGGTGTCTCCTGGCGGAGCTGGTCCCTGTCCCTATAGAAGTA
 CCATTAACGAGAAAGGATGCAGGCAGCCAGCATGTTGGCTTCTCCTGGGAGCTGCGGGGTGACCCCTGG
 CCCTGACCACAGATGCTTGTGAGAAGGGCCTGCCAAGGCGCCGACAGGAGAGGTGGCAACTTTCAAAGG
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 CTGGCCCAGGACACAGGGTCCAGGACCGCCTACATTGAGTATAAAACCAGCAAGGACGGCAGCACAGTAG
 GGGTACCCGTAACCCACTCATCCTGCTGGCGCAGTGCCAGGCCCTGACCCAGGTGTGTGGGTACACGGA
 AGCCGAAACATTAACGAATGTGCTGGACTTCAAAGGGATGCTGGTCTGTGGCATGGAGTCTTAAACAAGT



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GTCATGAACAGGATGCACGTTATCAGCATCCCCTACGCCCTAATGAAGGTCAACCCCTCTCCTGGATCC
 AGAAAGTGTTCCTATAAAGCCCGGGCTGCCCTGGTGAAGTCCCAGATATGCACTGGTCACTCTTGGC
 ACAGCGAGGTGAGGGGACGTCTGTCTCAGCTCTCTGCGTATGTTGATTGTGGCGGATGGCGAAACCCA
 TGGTCAATATCTTCTGCGATGCCTTCTCAACGTCTTCCAGTCTAGAGGTCTGAGGCCAGAGGTCACT
 GTCCTTGTGCCAGTTCTCCTGAGGCGCTAACAGTAGCCATCCGCAGGCCCCAGACCTGGGAGGACCTCC
 ACCAAGGAAAGCTGTCTGTCCATGAACGGCCTGAGCTACGGTGTGATCAGAGTTGACACCGAGGAGAAG
 CTGTGCGTCTCACTGTTTCAGGATGTGCGCCAGGTGATGCCTGGAGCTAGTGTCTGTGCTGAAGGTAG
 ACGGTGTCCCTTACCTCTGTAAAACCTGATGAAATCGGAGAGATCTGTGTAGTTCTGTGGCCACTGGGAC
 AGCATATTACGGGCTGCTTGGCATCACAAAGAATGTCTTTGAGACCGTCCCGGTCACTGCGGATGGAGTC
 CCTGTCTCTGACCGGCTTTACCCGGACAGGTCTTCTGGGGTTTATTGGGCTGAGAACCTGGTCTTCG
 TCGTGGGCAAGCTGGACGGGCTGACGGTCTGAGGACACGCAGACATAATGCAGATGACATTGTGGCTAC
 TGCCCTGGCTGTGGAACCCATGAAGTTTGTCTACAGAGGCAGGATCGCCGTGTTCTCTGTGACTGTTCTG
 CACGATGACCGGATTGTCTTGGTGGCCGAACAGCGGCCGACTCTCGGAGGAAGACAGTTCAGTGGA
 TGAGCCGTGTGCTACAGGCCATTGACAGCATCCACCAGGTGGCGTGTACTGTTTGGCCCTGGTTCCCGC
 CAACACCTTGCCCAAGGCTCCTCTTGGAGGAATCACATTTCTGAAACGAAGCAACGCTTCTGGAAGGG
 ACGCTACACCCATGTAAGTGTGATGTGCCCTCACACATGCGTTACCAACCTTCCCAAGCTCGCCAGA
 AACAGCCAGAAGTCGGACCAGCCTCCATGATTGTTGGGAACCTGGTTGCCGAAAGAGGATCGCACAGGC
 CTCTGGGAGAGAGCTGGCCACCTGGAGGACAGTGACCAGGCTCGCAAGGTACGTGCGAGGCTTCTCTC
 TCTCTGCAGTTCTGTTCTTGGCGGACGTGCTGCAGTGGAGGGCTCACACCCTCCCGACCCCGCTGT
 TCTTGCTCCTGAATGCTAAGGGCACAGTACCAGCACGGCAACCTGCATCCAGCTGCACAAAAGGGCTGA
 GAGAGTGGCTGCCGCGTATGGAGAAGGGCCGACTAGATGCTGGGACCATGTGGCTTGGTGTATCCT
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 CCCCACCCCGAAGCCTAGGCACACACTGCCACTGTGAAGATGATTGTGAGGTGACGAAATCTGC
 ATGTGTCCTTAGCACACAGGCCATTACAGGCTGCTCAAGTCAAAGAAGCAGCTGCGGCTGTAGATGTC
 AGGACCTGGCCAACCATCTAGATACAGATGACATTCCAAAAAGAAGGTAGCTAGCATTTTCAGACCAC
 CCTCCCCAGATGTGCTTGCATACTTGGACTTCACTGTGTCGACGACAGGGATCTTAGCGGGAGTTAAGAT
 GTCACACGCAGCCACAAGTGCCTTGTGCCGCTCTATAAAGCTTCACTGTGAGCTGTACCCTCACGGCAG
 ATTGCCATCTGCCTGGACCCCTACTGTGGCCTTGGCTTCCGCCCTGGTGTCTGTGACGCGTGTACTCTG
 GACACCAGTGGTACTCGTCCCCCACTGGAGCTGGAGAGCAATGTGTCTCTGCTGTCCGCCGTCAG
 CCAGTACAAGGCCGAGTCACTTCTGTCTACTCAGTGTGAAATGTGCACCAAGGGCCTTGGTGTCT
 CAGACAGGCGCCCTCAGGATGAAGGGGGTGAACCTGTCGTGTGTCGCACGTGCATGGTGGTGGCTGAGG
 AGCGGCCCGGATCTCGTTGACACAGTCTTCTCCAAGCTATTCAAAGACCTGGGCTCCCTGCTCGCGC
 TGTGAGCACACCTTCGGGTGCAGGGTCAACGTGGCCATCTGCCTCCAGGGCACAACAGGCCAGATCCC
 ACGACGGTCTATGTGGACATGCGGGCACTGCGCCATGACAGAGTTCGTCTGGTGGAACGGGGTTCTCCGC
 ACAGTCTGCCGCTGATGGAGTCTGGGAAGATTCTTCCAGGAGTGAAGGTCAATCATCGCACACTGAGAC
 CAAAGGGCCCTCGGAGACTCACACCTGGGTGAGATCTGGGTGAGCAGCCCCACAATGCCACTGGGTAC
 TACACGGTCTATGGGGAGGAGGCACTTCACTGTGACCACTTCACTGCCCCGCTGAGCTTGGAGACACCC
 AGACATTTGGGCAAGGACTGGCTACCTTGGCTTCTTCCAGGACAGAGCTGACTGATGCCAGTGGAGA
 GCGACACGATGCGCTGTATGTTGTCGGCTCTTGGACGAGACGCTGGAGCTGAGGGGCATGCGCTATCAC
 CCCATCGACATCGAGACCTCTGTGATCCGGGCACACAGGAGCATCGCGGAGTGTGCCGTGTTACCTGGA
 CCAACCTGCTGGTGGTGGTGGAGCTCGATGGTCTGGAGCAGGATGCCCTGGACCTGGTGGCCCTGGT
 GACCAATGTCGTGCTGGAGGAGCACTACCTTGGTGGGCGTGGTGGTATTGTGGACCCTGGAGTGATC
 CCCATCAACTCCCGGGCGGAGAAGCAGCGCATGCACCTGCGCGACGGCTTCTGGCCGACAGCTGGACC
 CCATCTATGTGGCTACAATATGTA

ACGGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001191564
 Insert Size: 4716 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001191564.1</u> , <u>NP_001178493.1</u>
RefSeq Size:	5445 bp
RefSeq ORF:	4716 bp
Locus ID:	690211
Cytogenetics:	20p12