

Product datasheet for **MC224702**

Dip2b (NM_001159361) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dip2b (NM_001159361) Mouse Untagged Clone
Tag: Tag Free
Symbol: Dip2b
Synonyms: 4932422C22; AI317237; AI854602; mKIAA1463
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224702 representing NM_001159361
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGAGCGAGGCCTGGAGCCGTCGCCGGCCGGTGGCCGCGCTGCCCCCGAGGTGCGGGCGCAGC
TGGCTGAGCTGGAGCTGGAGCTGTCTGAGGGGACATCACACAGAAAGGATATGAAAAGAAAAGGTCCAA
ACTTCTGTCTCCTTACAGCCACAGACTCAAGAACTGATTCCATAGGACAAAAAGAAAGAACCAA
CCTGCTCCACGGCAGCTCAGACTTCTGCTCCTTCCAAGTATCACCGTTCACGTTCTGGAGGTGCGAGAG
ATGAGAGATACCGATCAGATATCCACACGGAAGCAGTCCAAGCTGCTCTGGCAAAACACAAAGAACAGAA
AATGGCTTTGCCAATGCCACCAAGAGGCGGTCCACATTTGTCCAGTCTCCTGCGGATGCCTGCACACCT
CCGGACACGTCTTCGGCCTCTGAGGATGAGGGCTCTCTGAGACGCCAAGCTGCGCTCTCTGCTGCCTTG
ACAAAGCTTGCAGAATGCTGAGTCTGGATCAACCGCTCAATTCAGGGATCGTCCACTTCTTCACTG
ATCTTCCACGCTGTCCCATGGAGAGGTCAAAGGAACAGTGGGTCTCTAGCTGATGTGTTTGCCAACT
CGAATAGAAAATGTCTGCTCCTCCGACGCTCACTGCAACTACCTTTCCTCCTTCTCACTACTCGCC
CTGCAAAACATTGACCTGCCCCCTCTGGCATAGTTAAAGGCATGCACAAAGGATCCAACAGTCCAGCCT
TATGGATACAGCTGATGGTGTTCCTGTCAATAGCAGGGTGTCCACAAAATTCAGCAGCTTCTCAACACC
CTGAAGCGACCCAAAAGACCCCTTAAAGGAATTTTTGTGGATGACTCTGAAGAAATTGTGGAAGGTA
TACCTCAGCCAGATCCCAACCAGCCAAAGCCTGAAGGCCGCCAGATGACCCAGTGAAAGGAGAGCCCT
GGGCGTCATCTGTAAGTGGCCACCTGCACTGGAATCTGCCCTGCAGCGCTGGGGCTTACCCAAGCCAAG
TGCCCTGCCTGACTGGCTGGATGTGACGGGAAACAGTCTACTCTCACATACGAAAGTTGTGGA
GCAGAAGTTAAAGTTGGCTTACACACTGCTTAATAAACTGGGAACAAAAATGAACCTGTGTTAAACC
TGGAGACAGGGTTGCCCTGGTTTACCCCAACAATGACCCTGTATGTTTATGGTGGCTTTTATGGATGT
CTCCTGCGAGAAGTGATTCCAGTACCCATAGAAGTACCCCTGACCAGAAAGGATGCCGGAGTCCAGAGA
TTGGCTTCTTGTAGGGAGCTGTGGATTGCCTTAGCTCTCACCAGTGAATTTGTCTGAAAGGCCCTGCC
AAAAACCCAGAATGGAGAAATTGTACAGTTTAAAGGTTGGCTCGCCTCAAGTGGGTTGTGACAGATTCT
AAGTACCTCTCGAAGCCGCCAAAGACTGGCAGCCACACATATCACCTGCGGGCACGGAACCGGCATACA



[View online »](#)

TTGAGTATAAAACAAGCAAAGAAGGGAGTGTGATGGGAGTCACGGTGTCCGCGCTCGCAATGCTGTCTCA
 GTGCCAAGCTCTGTCACAGGCCTGCAATTATTCTGAAGGAGAACTGTAGTAAATGTTTTAGACTTTAAG
 AAGGACGCTGGGCTGTGGCATGGCATGTTTGCGAATGTAATGAATAAGATGCATACAATTAGTGTACCC
 ACTCTGTTATGAAGACCTGTCTCTCTCTGGGTCCAGAGAGTCCATGCTCACAAGCCAAAAGTAGCATT
 AGTGAAGTGTGAGACTTACACTGGGCCATGATGGCACATCGGGACCAAGGGACGTAAGCCTGAGCTCT
 CTGCGGATGCTGATTGTACCCGACGGCCCAATCCCTGGTCTGTGTGCTCCTGTGATGCTTCTCTGAGTC
 TCTTCCAAGCCACGGACTGAAACCTGAGGCCATCTGTCCATGTGCCACATCTGCAGAGGCCATGACTGT
 AGCCATCCGAAGGCCTGGGGTTCAGGGGCTCCTTTGCCAGGAAGGCCATTCTCTCAATGAATGGACTG
 AGCTATGGGGTCATACGGGTCAATACTGAGGATAAAAAATTCAGCACTGACAGTTCAGGATGTGGGACATG
 TGATGCCTGGAGGCATGATGTGCATTGTGAAACCAGACGGACTTCCTCAGCTCTGCAGGACAGATGAGAT
 TGGAGAGATCTGTGTCAGCTCCAGGACTGGAGGGATGATGTAATTTGGACTTGCTGGTGTGACCAAAAAT
 ACATTTGAGGTGATTCCAGTGACTTCTCAGGCTCTCCTGTAGGGGACGTACCCTTCATCCGGTCAGGGC
 TGCTGGGATTTGTAGGGCCTGGTAGCTTGGTGTTCGTGGTTGAAAAATGGATGGATTACTCATGGTCAG
 CGGCCGAAGACATAACGCCGATGACATTGTTGCTACTGGATTGGCTGTGGAGTCCATAAAGACCGTCTAT
 CGAGGAAGAATTGCTGTGTTTTCTGTGTCTGTGTTTTATGACGAGCGCATTGTGGTGGTGCAGAACAAA
 GGCCCGATGCGTCTGAGGAAGACAGTTTTCCAGTGGATGAGCCGGGTGCTGCAGGCCAATCGACAGCATCCA
 TCAAGTCGGCGTGTACTGTCTTGCCCTGGTGCCAGCTAACACGTTACAAAAACCCCACTAGGAGGAATC
 CATATATCCCAGACAAAACAGCTCTTTCTGGAGGGTCTCTACACCCGTGTAATATCCTCATGTGCCAC
 ATACGTGTGTGACGAACTTGCCAAAGCCCGACAAAAGCAACCAGGTGTAGGCCCTGCTTCTGTGATGGT
 TGGGAATCTGGTGTGTTAAACGCATAGCACAGGCTGCCGGAAGGGACCTGGGCCAAAATAGAAGAGAAT
 GACCTGGTGAGGAAGCACCAGTTCCTGGCAGAGATTTGTCAGTGGCGAGCCAGGCAACTCCTGACCATG
 TCCTCTTCATGCTGTTAAATGCCAAGGGAACACTGTGTGCACAGCCAGCTGCCTTCAGTTCATAAGCC
 AGCAGAGAGGATCGTTCAGTACTTGGTGACAAGGGACATCTGAATGCAGGGGACAATGTAGTATTGCTC
 TACCAGCCTGGCATCGAGTTGATTGCTGCATTCTACGGCTGCCTGTATGCAGGATGTATACCTGTGACCG
 TCGCGCCCTCATGCGCAGAACCTCACTGCTACCTTGCCACAGTACGCATGGTGTGATGTGACGAA
 GGCAGCGTGTGCTTACCCTCAAACCTCTGATGAGGTTGCTCAAGTCTCGAGAGGCAGCGGCAGCTGTG
 GATGTGAAAACCTGGCCAGCCATCATTGATACAGATGACTTACCAGGAAACGGCTACCTCAGCTGTATA
 AACCGCCACTCCTGAGATGTTGGCGTATCTTGATTTCCAGCGTTCCACAACCTGGCATGCTCACAGGGGT
 GAAGATGTCCACTCTGCAGTCAATGCTCTCTGCAGAGCCATCAAGCTGCAGTGCGAATTGACTCTTCC
 CGGCAGATCGCCATCTGCCTTGACCCTTACTGTGGACTTGGCTTTCAGCTCTGGTGTCTCTGCAGTGTG
 ATTCGGGTACCAGTCCGTCTTGATCCCTCCTATGGAGCTGGAAAACAACCTTTCTCTGGCTCGCCAC
 TGTCAACCAGTACAAGATCAGGGACACCTTCTGCTCCTACTCAGTCATGGAGCTGTGCACTAAAGGGCTG
 GGAACCAAGTGGAGGTGCTGAAGACCAGAGGGATCAATCTTTCTGCATCCGGACCTGTGTGGTGGTGG
 CAGAGGAGCGGCCCGTGTGAGCCTTACGAGTCTTCTCAAGCTCTTCAAAGACATCGGTCTGTCCCC
 TCGAGCTGTGACACCCTTTGGATCCAGAGTCAATGTAGCAATATGTTTACAGGGAACCTCAGGGCCG
 GATCCAACAACCTGTGATGTGGATCTGAAGTCGCTGAGACATGACAGGGTCCGTCTTGTGGAACGGGGT
 CCCCCAGAGCCTCCTGCTTTCTGAATCTGAAAGATCTTACCTGGAGTAAAAGTAGTTATTGTCAATCC
 TGAGACCAAAGGACCTGTTGGAGACTCTCACCTGGGAGAGATCTGGTGAATAGCCCCATACCCGACG
 GGCTACTATACCATCTACGACAGCGAGACTCTCAAGCTGATCATTTCAATACCCGCTGAGCTTTGGAG
 ATGCTGCCAGACACTCTGGGCCCGACAGGATACCTCGGGTTGTCCGAGGACTGAGCTCACTGCAGC
 CACTGGAGAACGCCATGACGCCTTGTATGTGGTGGTGGCTGGATGAGCACTGGAGCTGAGGGGATTG
 CGATACCATCCTATCGATATAGAGACCTCCGTGTCCCGCGTCCACAGGAGCATTGCTGAATGTGCTGTG
 TCACGTGGACCAACTTGTGGTGGTGGTGTGGAAGACTATGCGGCTCTGAACAGGAAGCCCTGGACCTGGT
 TCCTCTCGTGACCAATGTGGTCTGGAAGAGCATTACCTCATCGTGGTGTGTGGTGTGTGGACCCG
 GGCGTTGTCCCATCAACTCCAGAGGAGAGAAGCAGAGGATGCACCTCCGAGACAGCTTCTCGCCGACC
 AGTTAGACCCTATCTATGTGGCTTACAACATGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001159361

Insert Size:	4725 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).
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_001159361.1, NP_001152833.1</u>
RefSeq Size:	8915 bp
RefSeq ORF:	4725 bp
Locus ID:	239667
UniProt ID:	<u>Q3UH60</u>
Cytogenetics:	15 F1
Gene Summary:	Negatively regulates axonal outgrowth and is essential for normal synaptic transmission (PubMed:32153366). Not required for regulation of axon polarity (PubMed:32153366). Promotes acetylation of alpha-tubulin (PubMed:32153366).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.