

Product datasheet for MC223400

Dlgap2 (NM_172910) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlgap2 (NM_172910) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dlgap2
Synonyms:	6430596N04Rik; Dap-2; Dap2; Sapap2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223400 representing NM_172910 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGGACGGCTCAGGTTCTGCCCGGCATCCTGCAGAAGCATTGCTGCATCTTACCAGACAGGAACACAG
AGTCTCAGTGCACCCTTTGTGGAGAGCCAGAAGAGGAGGAAGGAGGAGACTTGGCCAGCCGGGCCCTCAG
CTTCCCGGTCCAGCAGAAGAGGACATAGACCAGCAGTACTCATGGTCTCCAACGCAGCACTTCAATGAA
GAGAGGTAATCACCCGCACCCAGGAACATGAAAGGGTTAACCGGAAGCCGGAACAGCCTCAGCTGTGTG
CGGGTCACACCTGTGGCCTGTCACCCCTGATGACTGCGAGCACCCCATGATCAGATGCATCATGGGTC
AGATGTGCGGCAGCCTTATCTCCTTAGCCAGCTGAGAGCTGCCCAATGGACCACCACCGTTGCTCGCCC
AGGAGCTCCGTCCACTCAGAGTGCATGATGATGCCTGTGATGTTGGGTGACCACGTATCCAGTAGCACCT
TCCCTAGAATGCACTACAGCTCACACTATGACACAAGGGATGATTGCGCCATGTCCACACAAGTACAAA
GGTAAACCGCATCCCCGCCAACCTTTAGACCAGTTTGAAGAACAGCTCCCCCTGCACCGGGATGGTTTC
CACACACTGCAGTACCAGAGGGCCTCGGCTGCCACGGAACAGCGGAATGAGAGTCCAGGAGAATCCGGC
ATTTGGTCCACTCCGTTTCAGAACTTTTCAACAAGTCTCATTCTTGGAGGGATCGTCCAAGAGCAACAT
CAATGGGACCAAGAGTGACAGTCTGTGGATGACCACCACAGAGTCACCTTTCCAAACACAGCAAAAGG
AGTAAAAGCAAGGAGCGGAAGCCAGAGAGCAAGCAAGTCTGGTATGAGCAGCTGGTGGAGTTCTGACG
ACAACCTGGACAGTGACAGCACATACCGGACACCCAGCGTGGCGCACCGCCACCACATGGACCACATTCC
CCACTGCTACCCTGAGGCGCTGCAGAGCCATTTGGGGACCTCTCACTAAAGACTTCCAAAAGCAACAAC
GATGTTAAGTGTCTCAGCCTGTGAAGGCTTGGCCCTCACGCCAGACACCAGGTACATGAAACGTAGCTCCT
GGTCCACGCTCACGGTGAAGGCTAAGGAGGCTACCAGAGGCTCCCTGAAGTGGACAAGCCCT
GGTCCACCCAGAGATCAAGCCTTCCCTGCGGCCATGCCACTACCTCCAGGTGCCTCAGGACGATTGGGT
GCGTACCCACAGGCGGCAAGAGGAGGAGATACCTGCCGTAGGATGAGGAGCGGCAGTACATAAAAG
CCATGGGTGACGAGGAGAGTGGGGAGTCCAGCCCCAAAACATCCCCGACGGTGGCCATCCGGCC
GGAGCCGCTGCTGAAGCCATCATACAAAGACCACTTGGAGACCACCAAAACCCAGAGTACCTACAGCT
GCCACTGAGGTGCCTGTGCGTACAGCCTGAACCCATCAACTCAACTCTCCGAAGTTCGGTCCA



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GAAACCAGAGCTACATGCGGGCTGTGAGCACCCCTGAGCCAGGCCAGCTGTGTGAGCCAGATGAGTGAAGC
 GGAAGTTAACGGGCAGTTCGAGTCTGTATGTGAATCTGTCTTCAGTGAAGTTGAATCTCAGGCCATGGAT
 GCTCTTGACCTTCTGGGTGTTTCCGAACAAGGAGTCACAGTTACCTTCGAGCCATCCAAGCTGGTTACT
 CCCAAGACGATGAATGTATCCCGTGATGACATCATCCAACATGACGTCAACCATCAGGTCAACAGCAGC
 TGTCTCTACACAAATACAAGAAGACGCCCTCCCCGGTGCTCCACGGACCACCTCAAAGCCTCTGATC
 TCTGTGACGGCCAGAGCAGCACGGAATCGACACAGGATGCCTACCAGGACAGCCGTGCCAGAGGATGT
 CCCCCTGGCCCCAAGATAGCCGTGGCGGCTCTACAACCTCCATGGACAGTCTAGACAGCAACAAGGCCAT
 GAATTTGGCTCTGGAAACAGCTGCAGCCAGCCAGCCAGCGGGACACCCAGAGCAGTCCACACGGAGC
 ATCGACAAGGCGGTCTGGCATCCAAGGCTGAAGAGCTCCTGAAAAGTCCGCTGCTCTCCATCGGGTCC
 AGGATTCTGAATCCCGCATCAACCCCTACCAAGGTCAGATGTAGAAACAGCCACGGATTCCGACAC
 GGAGAGCAGAGGCCTAAGGGAGTACCACTCTGTTGGTGTGCAAGTGAAGACGAAAAACGGCACGGCCGT
 TTCAAGCGTTCACACAGCGTCACAGCCGCTGTGCAGGCTGACTTAGAGCTGGAGGTTTCCCTGGGCATG
 TCAGCATGGAGGACAAGGGCCTGCAGTTCGGATCCTCTCCAACGACATTGGAGCCAGTACCCCGAC
 CCAGTATGGGCACTGAGGACTGTGCGGACGACGGCCTCTTCAAGTACAGGGAGGACTACAGGACACAG
 GTGGACACTTCTACTCTGCCACCACCGGATCCCTGGCTGGAGCCATCCCTGGACACGGTGGAGACCGGGA
 GGATGTCTCCGTGCCGGAGAGATGGCTCGTGGTTTCTGAAACTGCTGCACACGGAGACGAAGAGGATGGA
 AGGCTGGTGCAAAGAGATGGAGAGAGAAGCAGAGGAGAATGACCTCTTGAAGACATTCTAGGAAAGATC
 AGGAGTGTGTAGGAAGTGTCTAGCTGCTCATGTCCCAGAAGTTCACAGCAGTTTTACTGGCTTTGTGAGC
 AGAACATGGACCCAGCGCCATGCCAAGACCCACCTCACAGGATCTAGCTGGCTATTGGGATATGCTGCA
 GCTGTCTGTGGAAGATGTGAGCATGAAGTTGACGAGCTGCACCAGCTGAAGCTCAATGACTGGAAGATA
 ATAGAGTACCCGAAAGAAAGGAAGAAAGGAAGATCCCCCTCCAATACCAAAGAAGCCCCCAAGGGGA
 AATTCCCATCACGAGGAAAAGTCTTGGACCTGCCAGACAGACAGCCAGGAAGCCCCGGCCGGCT
 CATGGCAGCCAAGAGAGCCGCTCGTTCGGCCAGAACTGCTACGGAGAGGGCAGACAGCATCGAGATC
 TACATCCCTGAGGCCAGACGCGGCTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_172910

Insert Size:

3180 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:

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_172910.3, NP_766498.2

RefSeq Size:

4525 bp

RefSeq ORF: 3180 bp

Locus ID: 244310

UniProt ID: [Q8BJ42](#)

Cytogenetics: 8 A1.1

Gene Summary: May play a role in the molecular organization of synapses and neuronal cell signaling. Could be an adapter protein linking ion channel to the subsynaptic cytoskeleton. May induce enrichment of PSD-95/SAP90 at the plasma membrane.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes a protein (isoform 1) of 1059aa.