

Product datasheet for **MC217341**

Amigo2 (NM_178114) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Amigo2 (NM_178114) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Amigo2
Synonyms:	AI415330; Ali1; AMIGO-2; AW208913
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217341 representing NM_178114
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGTTAAGGTTCCACACACTGCCACCTGCCTAGAGCTGTCAAACCGGGTTCAGAGAGCTGCTGT
 GTCGTGGTGATCGCAGTGATGGTGAGCCCCAGCGCCTCAGGAATGTGCCCCACTGCTTGATCTGTGC
 CACCGACATTGTGAGCTGACCAACAAAACTATCTAAGGTGCCGGGAACCTTTTCAGACTGATTA
 AGACTGGATCTGAGCTATAACAGAATCGGACTGTTGGATGCCGACTGGATCCCGTGTGCTTTGTCAAGC
 TGAGCACCTTAATTCTTCGCCACAACAACATCACCAGCATCTCCACGGGAGTTTCTCCACAACCCAAA
 TTTAAAGTGTCTGGACTTATCATCCAATAGGCTGAAGTCGGTAAAGAGTGCCACATTCCAAGAGCTGAAG
 GCTCTGGAAGTACTGCTGCTGTACAACAACCACATTTCTATCTGGACCCGAGCGTTCGGGGGGCTTT
 CCCACTGCAGAACTCTATCTGAGTGGAACTTTCTCACACAGTCCCTATGGATTTGTATACTGGGAG
 GTTCAAGCTGGCTGATCTGACATTTTTAGATGTTTCTATAATCGAATCCCTTCCATACCGATGCACCAT
 ATAAACTTAGTGC CGGGAGACAGCTGAGAGGCATCTACCTTACGGGAACCCATTTGTATGTGACTGTT
 CTCTGACTCGTTGCTGATCTTTTGGTACCGTAGGCACTTTAGCTCCGTGATGGATTTAAGAATGACTA
 TACCTGTCGCCTGTGGTCTGACTCCAGGCACTCCACAGCTGCAGCTGCTCCAGGAGAGCTTTCTGAAC
 TGTTCTTACACGTTATCAACGGCTCCTTCCACGCACTGGCTTTATCCACGAGGCTCAGGTTGGGGAGA
 GGGCGATCGTCCACTGTGACAGCAAGACTGGCAATGGAATACTGATTTTCATCTGGTCCGGTCCCGATAA
 CAGGCTGCTGGAGCCAGATAAAGACATGGGGAACCTTCGTGTGTTTTACAACGGAAGTCTGGTCATAGAG
 AACCTGGCTTTGAGGACGCCGGGTATATTCTTGTATCGCAATGAACAGGACGGCTGTTAAACGAGA
 CGGTGGATATCATGATCAACGTGAGCAATTTACCATAAACAGATCCCACGCCACGAGGCGTTAAACGAGA
 GGCTTTTACCACCCTGGCTGCCTGCGTGGCCAGTATAGTTCTAGTGCTACTGTATCTGTACCTGACGCCG
 TGCCCATGCAAAATGCAAAGCCAAGAGACAGAAAAACACGCTGAGCCAAAGCAGTGCCTACTGCTCCATTC
 TCAGTCTGGCCCCACTGGCGATGCCTCTGCTGACGATCGGAAGGCAGGTAAGAGAGTCTGTTTCTGGA
 GCCCTGAAGGACACGGCGCCGGACAGAAATGGCAAAGTCAAGCTTTTCCCAGTGAGACCGTTATAGCC
 GAGGGCATCTTAAAGTCCACCAGGGCAAAGTCTGACTCAGACTCAGTCAATCCGTGTTCTCAGACACAC
 CCTTTGTGGCATCCACT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_178114

Insert Size: 1560 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_178114.4](#), [NP_835215.1](#)

RefSeq Size: 3214 bp

RefSeq ORF: 1560 bp

Locus ID: 105827

UniProt ID: [Q80ZD9](#)

Cytogenetics: 15 F1

Gene Summary: Required for depolarization-dependent survival of cultured cerebellar granule neurons. May mediate homophilic as well as heterophilic cell-cell interaction with AMIGO1 or AMIGO3. May contribute to signal transduction through its intracellular domain (By similarity).
[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments. COMPLETENESS: complete on the 3' end.