

Product datasheet for **MC217342**

Amigo2 (NM_001164563) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Amigo2 (NM_001164563) 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



[View online »](#)

Fully Sequenced ORF: >MC217342 representing NM_001164563
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGTTAAGGTTCCACACACTGCCACCTGCCTAGAGCTGTCAAACCGGGTTCAGAGAGCTGCTGT
 GTCTGTTGGTGATCGCAGTGATGGTGAGCCCCAGCGCCTCAGGAATGTGCCCCACTGCTTGATCTGTGC
 CACCGACATTGTGAGCTGACCAACAACAACTATCTAAGGTGCCCGGGAACCTTTTCAGACTGATTA
 AAGACTGGATCTGAGCTATAACAGAATCGGACTGTTGGATGCCGACTGGATCCCGGTGTCGTTTGTCAAGC
 TGAGCACCTTAATTCTTCGCCACAACAACATCACCAGCATCTCCACGGGAGTTTCTCCACAACCCAAA
 TTTAAAGTGTCTGGACTTATCATCCAATAGGCTGAAGTCGGTAAAGAGTGCCACATTCCAAGAGCTGAAG
 GCTCTGGAAGTACTGCTGCTGTACAACAACCACATTTCTATCTGGACCCCGCAGCGTTCGGGGGGCTTT
 CCCACTGCAGAACTCTATCTGAGTGGAACTTTCTCACACAGTCCCTATGGATTTGTATACTGGGAG
 GTTCAAGCTGGCTGATCTGACATTTTTAGATGTTTCTATAATCGAATCCCTTCCATACCGATGCACCAT
 ATAAACTTAGTGCCGGGAGACAGCTGAGAGGCATCTACCTTACGGGAACCCATTTGTATGTGACTGTT
 CTCTGACTCGTTGCTGATCTTTTGGTACCGTAGGCACCTTAGCTCCGTGATGGATTTAAGAATGACTA
 TACCTGTCGCCTGTGGTCTGACTCCAGGCACTCCACAGCTGCAGCTGCTCCAGGAGAGCTTTCTGAAC
 TGTTCTTACACGCTTATCAACGGCTCCTTCCACGCACTTGGCTTTATCCACGAGGCTCAGTTGGGGAGA
 GGGCGATCGTCCACTGTGACAGCAAGACTGGCAATGGAATACTGATTTTCATCTGGTCCGGTCCCGATAA
 CAGGCTGCTGGAGCCAGATAAAGACATGGGAACTTTCTGTGTGTTTACAACGGAAGTCTGGTCATAGAG
 AACCTGGCTTTGAGGACGCCGGGTATATTCTGTATCGCAATGAACAGGCAGCGGCTGTTAAACGAGA
 CGGTGGATATCATGATCAACGTGAGCAATTTACCATAAACAGATCCCACGCCACGAGGCGTAAACAC
 GGCTTTTACCACCCTGGCTGCCTGCGTGGCCAGTATAGTTCTAGTGCTACTGTATCTGTACCTGACGCCG
 TGCCCATGCAAAATGCAAAGCCAAGAGACAGAAAAACACGCTGAGCCAAAGCAGTGCCCACTCGTCCATTC
 TCAGTCTGGCCCACTGGCGATGCCTCTGCTGACGATCGGAAGGCAGGTAAGAGAGTCTGTTTCTGGA
 GCCCTGAAGGACACGGCGCCGGACAGAAATGGCAAAGTCAAGCTTTTCCCAGTGAGACCGTTATAGCC
 GAGGGCATCTTAAAGTCCACCAGGGCAAAGTCTGACTCAGACTCAGTCAATCCGTGTTCTCAGACACAC
 CCTTTGTGGCATCCACT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001164563

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_001164563.1](#), [NP_001158035.1](#)

RefSeq Size: 2871 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 (2) differs in the 5' UTR, compared to variant 1. 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.