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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCGTTAAGGTTCCACACACTGCCCACCCTGCCTAGAGCTGTCAAACCGGGTTGCAGAGAGCTGCTGT
GTCTGTTGGTGATCGCAGTGATGGTGAGCCCCAGCGCCTCAGGAATGTGCCCCACTGCTTGCATCTGTGC
CACCGACATTGTCAGCTGCACCAACAAAAACCTATCTAAGGTGCCCGGGAACCTTTTCAGACTGATTAAA
AGACTGGATCTGAGCTATAACAGAATCGGACTGTTGGATGCCGACTGGATCCCGGTGTCGTTTGTCAAGC
TGAGCACCTTAATTCTTCGCCACAACAACATCACCAGCATCTCCACGGGCAGTTTCTCCACAACCCCAAA
TTTAAAGTGTCTGGACTTATCATCCAATAGGCTGAAGTCGGTAAAGAGTGCCACATTCCAAGAGCTGAAG
GCTCTGGAAGTACTGCTGCTGTACAACAACCACATTTCCTATCTGGACCCCGCAGCGTTCGGGGGGCTTT
CCCACTTGCAGAAACTCTATCTGAGTGGGAACTTTCTCACACAGTTCCCTATGGATTTGTATACTGGGAG
GTTCAAGCTGGCTGATCTGACATTTTTAGATGTTTCCTATAATCGAATCCCTTCCATACCGATGCACCAT
ATAAACTTAGTGCCGGGGAGACAGCTGAGAGGCATCTACCTTCACGGGAACCCATTTGTATGTGACTGTT
CTCTGTACTCGTTGCTGATCTTTTGGTACCGTAGGCACTTTAGCTCCGTGATGGATTTTAAGAATGACTA
TACCTGTCGCCTGTGGTCTGACTCCAGGCACTCCCACCAGCTGCAGCTGCTCCAGGAGAGCTTTCTGAAC
TGTTCTTACAGCGTTATCAACGGCTCCTTCCACGCACTTGGCTTTATCCACGAGGCTCAGGTTGGGGAGA
GGGCGATCGTCCACTGTGACAGCAAGACTGGCAATGGAAATACTGATTTCATCTGGGTCGGTCCCGATAA
CAGGCTGCTGGAGCCAGATAAAGACATGGGGAACTTTCGTGTGTTTTACAACGGAAGTCTGGTCATAGAG
AACCCTGGCTTTGAGGACGCCGGGGTATATTCTTGTATCGCAATGAACAGGCAGCGGCTGTTAAACGAGA
CGGTGGATATCATGATCAACGTGAGCAATTTCACCATAAACAGATCCCACGCCCACGAGGCGTTTAACAC
GGCCTTTACCACCCTGGCTGCCTGCGTGGCCAGTATAGTTCTAGTGCTACTGTATCTGTACCTGACGCCG
TGCCCATGCAAATGCAAAGCCAAGAGACAGAAAAACACGCTGAGCCAAAGCAGTGCCCACTCGTCCATTC
TCAGTCCTGGCCCCACTGGCGATGCCTCTGCTGACGATCGGAAGGCAGGTAAAAGAGTCGTGTTTCTGGA
GCCCCTGAAGGACACGGCGGCCGGACAGAATGGCAAAGTCAAGCTTTTCCCCAGTGAGACCGTTATAGCC
GAGGGCATCTTAAAGTCCACCAGGGCAAAGTCTGACTCAGACTCAGTCAATTCCGTGTTCTCAGACACAC
CCTTTGTGGCATCCACTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

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).

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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.

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