

Product datasheet for **RN202539**

Amigo2 (NM_182816) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Amigo2 (NM_182816) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Amigo2
Synonyms:	Ali1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN202539 representing NM_182816
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGTTAAGGTTCCACACACTGCCACCTGCCTAGAGCTGTCAAACCGGGTTCAGAGAGCTGCTGT
 GTCTGTTGGTGATCGCAGTGATGGTGAGCCCCAGCTCCTCAGGACTGTGCCCTACGGCTTGATCTGTGC
 CACTGACATTGTAAGCTGCACCAACAAAACTGTCTAAGGTGCCTGGGAACCTTTCCGACTGATTA
 AGACTGGATCTGAGCTATAACAGAATCGGACTCCTGGATGCCGACTGGATTCCGGTGTGCTTCGCAAGC
 TGAGCACCTGATTGTTCCGACACAACAACATCACCAGCATTTCCACGGGCAGTTCTCCACCCTCCAAA
 TTTAAAGTGTCTCGACTTATCGTCCAATAGGCTGAAGTCGGTGAAAAGTGCCATGTTCCAGGAGCTAAAG
 GTTCTGGAAGTGTCTGCTTTACAACAACCACATTTCTATCTGGACCCGGCAGCGTTCGGAGGGCTCT
 CCCACTGCAGAACTCTACCTGAGTGGGAACCTCCTCACGAAGTCCCTATGGATTTGTATGTCGGGAG
 GTTCAAGCTGGCTGATCTGACATTTTTAGATGTTTCGTACAATCAAATTGCTTCCATACCAATGCACCAC
 ATAAATTTAGTCCGGGAAAGCAGCTGAGGGGCATCTTCCTTACGGGAACCTTTTCGTCTGTGACTGTT
 CCCTGACTCCTTGTGACCTTCTGGTACCGTAGGCACCTTAACTCTGTGACGGATTTCAAGCATGACTA
 CACCTGTGCGCTGTGGTGGACTCCAGGCACTCCACCAGCTGTTGCTGCTCCAGGATAGCTTTCTGAAC
 TGTTCACACGCGTCATCAATGGCTCCTCCACGCACTTGGCTTTATCCACGAGGCTCAGGTTGGGGAAA
 GGGCGATTGTCCACTGTGACGGCAAAACCGTAACGGGAACCCGATTTTCATCTGGGTGGGTCGCGAAA
 CAGGCTGTTGGAGCCGGATAAAGACACGGGAACTTTTCGAGTGTTCACAACGGAAGCCTGGTTATAGAG
 AACCTGGTTTTGAGGACGCCGGGTTACTCCTGTATCGCCATGAACAGGCAGCGCTGTTGAATGAGA
 CGGTGGACATCATGATAAACGTGAGCAATTTACCATAAACAGATCCACCACGCCACGAGGCATTTAA
 CACGGCTTTACCACCCTGGCTGCTGCGTGGTCAAGTATCGTCTAGTGCTACTGTACTGTACCTGACGACA
 CCGTGTCCCTGCAAAATGTAGAGCAAGAGACAGAAAAACGCACTGAACCAAGCAACGCCATTCGTCCA
 TTCTCAGTCCCGCCCCACCGGGATGCCTCTGCTGAGGATCGGAAGGCAGGTAAAAGAGTGGTGTTTTT
 GGAGCCCCGAAGGATCCAGCAGTGGGACAGAATGAAAAAGTCAAGCTTGTCCCCAGTAAGACCGTTATA
 GCCGAGGGCATCTAAAGTCTCCAGGGCAAAATCTGACTCAGACTCGGTCAATTCGTTCTCAGACA
 CCCCTTCGTGGCATCCACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_182816
- Insert Size:** 1563 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_182816.2](#), [NP_877968.2](#)

RefSeq Size: 3120 bp

RefSeq ORF: 1563 bp

Locus ID: 300186

UniProt ID: [Q7TNJ4](#)

Cytogenetics: 7q36

Gene Summary: transmembrane protein; may be involved in promoting neuronal survival [RGD, Feb 2006]