

Product datasheet for **MC219921**

Amer2 (NM_028113) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Amer2 (NM_028113) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Amer2
Synonyms:	2600011E07Rik; Fam123a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219921 representing NM_028113
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTCGCATTGTGAGTGCGCCGCGGAGACGCCGCCGACAGCCGCCGTCGGGAAGATCAATAAGG
 CTGCGTTCAAGTTATTCAAGAAAAGGAAATCGGGGGCACCATGCCAGCATTTTGGGGTCAAAAACAA
 AGGGGATGGGAAGAGCTCGGGGCGACGGGAATGGTGAGAAGCAGGACCCACGACGGACTAGCCGAGGTG
 TTGGTGTGGAGGGCAGCAAGAAGGAGGAGCCGCTGGCGGGAGCGATCACAGCGGGGCCGGCCGATCC
 CCGGACCCCCAAACCTCCGGGCTGGCTGGGCTCCCTGGCCAGCAGCTCGGTGGCCAAGTCCCACAG
 CTTCTTCTCCCTGCTGAAAAAGAACGGGCGATCGGAGACCGGCAAGGGAGACCATGCCGAGGCGAGCAAG
 GCTGGCGGCAACAAAAGAGGGGGCTGAAAGGGATCTTCAGCAGCATGCGCTGGCACCAGGAGGACAAGC
 GCGGCAAGGAGGAGGAGAAGGCGGTGCGCGCGGGCGGCCCGGCAACCTGGTTCTGCCCGTTCGCT
 CACCGCCAGCCTGGAGTGCCTCAAGGAGGAGCCGCCCGAGCCGCGCGCCCGGACAGCCGGGCCAG
 GACGCCTCGCGACACGCAGCAGGTGAGCCCGCAGGGGGAGAGCAGGCGCCCGCTCCGCCGAGAGCGCC
 CGGAGCGGATCTGCCTCGAGGCCGGGAGCCCCACCGGCTCTGGCGATCAAAGCTCCCGGGGAGAGGACGC
 CGAGGGGCATCGGCGCGAGGAGAAGCCGGGGCAGCCCTCGAGTCGGGAGCCGGTGGAGTCCAGGCGGCC
 GAGGATGCGTCCAAGACAGGTGACGTTCCGATAAAGACCGTCCCCCTTGTGACTCCGAAGTGGCAGCG
 GCCGGGCGTCTGCTGTCCCTGACCTTCTCTGTTGATCCACCCTCAGACCCGTCGGCAGATCGTATTTG
 TTTGATGTTTTCTGACGTGACTTCACTGAAAAGCTTTGACTCTTTACAGGCTGTGGAGATATTATTGCA
 GACCCAGAAGAAGAGGCAGGCCCCAGCTGTGACAAGCATGTCCCCGGGCCAGGCAAGCCAGTTCTCTCTA
 AAAAAGACGCACGCGTGGTGGCCTACCAAGGAGGAGGGGAGGAGATGGCCAGCCCGATCAGGTGGACGA
 CACCTATCTCCCGAATTCTGGGACATGTTGTCCAGACTGAGGACCAAGGACAAGGAACCTCAAGAAGGC
 GCAGCGAAGGCAGCCACTGCTTCCGACATCAAGTTGGCCCTGAGACCTCCAGTGATACCCGGTGTGGGG
 AAGCAGCCAAGGACATGTCCTCGGTCAAGCGCAGGAGGCTCCACAGAATCCCATGAGTCCAGCAGAA
 GGAGGAGCCCAACATCCGGAGAAGGAGCATCAAGAAGGTGTTCCCTAACAGCGATGAGGGCTACTGGGAC
 TCCACCACCCTGGCCCAGAAGAAGAGAGCATCAGCAACAGCAGCAGCAGCAAGAAGGTGGTCATCCCCA
 GGGATAGCGACAGTGGCGATGCTCTCTGCGATCTCTACGTTGAACCTGAAGCAAGCCAGCCACCCTTCC
 TGCCACAGAGGACCCACCCTGCTTGTCCCGCTAAAGCCGGTGTCTCCAGGCACCATCACGTGTCCTCTG
 AGAACACCGGGCAGCTTGTGAAGGACTCTAAAATCCCTATTAGCATCAAGCATCTCTCAAACCTTCCGT
 CCAGCCATCCGGTGGTGCACCAGCAACCAGCCAGGAGTGAGGTGCCCAGAACAAAATCCCTGTTTCCAA
 AGTGCTGGTCCGTAGGGTCAGCAACCGGGCTTGCTGGGACCACCATCAGGGCAGCAGCATGCCATGAC
 AGTGCCAAAAAGTTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_028113

Insert Size: 1908 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_028113.3](#), [NP_082389.1](#)

RefSeq Size: 2718 bp

RefSeq ORF: 1908 bp

Locus ID: 72125

UniProt ID: [Q8CCJ4](#)

Cytogenetics: 14 D1

Gene Summary: Negative regulator of the canonical Wnt signaling pathway involved in neuroectodermal patterning. Acts by specifically binding phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P₂), translocating to the cell membrane and interacting with key regulators of the canonical Wnt signaling pathway, such as components of the beta-catenin destruction complex (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). COMPLETENESS: complete on the 3' end.