

Product datasheet for **MC221589**

Amer3 (NM_213727) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Amer3 (NM_213727) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Amer3
Synonyms:	9430069J07Rik; Fam123c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221589 representing NM_213727
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCTGAGGAGAGGAAAGACCTTCATCAAATCTAGCGTGCAGATTTCTCACGAGAACTCATAGACT
 CACCAGCCAAGGAGGACCCAGACAAGTGGCCACTGTCTGCTGGGAGAGCAGCAGCGAGCCTATGGCGAGAA
 GAGCTCCCAAACAAGTCCTGTTCCCAAGGATACGGCCGGTGCCCAACAAGAGGTCTGTCTGATCCT
 GAAGGGGGTCCCGTGCCCTCTGTGAACCACTTCAAGTTGGTGGCAAGAGTAAGACTCATGACAGTG
 TTCCAGGGGTGTGAAGGCGGGCCCCACAGGGCAGATGGTAGGTAGCACAAGCTTCTCAGAGACCCC
 AGGAGGTGAGCGCATGATCGACTACCGCCACTTTGTGCCCCAGATGCCCTTCGTGCCAGCTGTGGCTAAG
 AGCATCCCAAGAAAAAGGATTTCTCTGAAAAGGTCCAAGAAGTGCTTTCGAAACCTATTTACATGCGCA
 GAAGCAAGACTGAGAATTGGCCTCGCTCTCAGCCAAGGGGAAGAACCTCTCACCTCCGGGGTCCCAGC
 GCAGCAAGGCACGGCTTTCTCTCCATGGGTGAGGGGTGGGGCTGGACAGCCTATGCCAGGACCTGTCT
 GACAGTGAGTTTCTACATGACTCACCTTTGACCTCTGCAGCGCCCTGTGTGAGGATGTGGCCTCACTGA
 AAAGCTTCGATCACTTACAGGTTGTGGGGAGATCTTTCAGATGGGAGCTCGGTGCCATCTGTGGAGCT
 GAAGGACGGCCAGAGAGCCAGCCATTACCTCAGGCTCTGGACTGCAAGACTCCCTGTGGCCCCGCC
 CAGGGTGGTATGGAACAGCTGATGTACCTGCCAGAATGAAGCATCAGACTTCAACAAGTTCTGGGACA
 GTGTGAATCGCTCTGTGCAGCAGCAGCAGCGTGTCTGATGGGCCATGGTTGACGAGTCCCGAAGGGAC
 AGAAACAGACCAGACAGGCTAGACACATCTGGATTAGCTGAAGTACCCCTGTTCCCTTGAGGGGTCCC
 CCCAGCGGTTCCAAAGCCAGCTCCATAGACACAGGTACCCCAAAAGTGAACAGCCAGAATCTGTGTCCA
 CAAGCGATGAAGTTACTATGACTCCTTCTCTCAGGCCCTTGAGGAGGAGAAGAAGGAGCTGCGAGCCCC
 AGGCACGCCTGCAGCCACTTTCCCAAGGACAGCTACAGCGGGGACGCCCTCTACGAACTATTCTATGAC
 CCCAGCGAGGCCCTGTGGCCCAATCCTGGATGATGACTGTGTGTCTGAGAGTCTCTCGGGGCTGCC
 TAGGGACCCCGTTGTCTATGTGCAGCTTCGGGTGGGAGCCGAGGAGAACCTGGCCCCAGCGCCAGGCC
 TGACTTGCTCAGCCAGGGTTTCTACAGAGTACCTGGAAGGGCAAGGAATGTTTGTGAAGCTCTGTGAC
 ACAGAATTGCCATTACCATGGGCATTGTCAACTGGCTGCGCAGAACCCACCGGCCACTTCCCCTACCC
 CTGCATCTACCCCTGCCCTACCCCTGCCCTTGTCTTAGGGAGCCTGCTGCCCCACCTGACCCCATAG
 AGTTCTCAGAGGAGCATCAGTGGGTGTGAAAGGCAGGGAAGACCAGGCCACGACATGCTTTCCACCCAGC
 AGGCAGGAGCCCTGGGCACATTCAGGAACCAAACTTGCTTGTAGAGAGTGTGAGGTCTTAGGAGAGC
 CTGCAAGGGGTAGTAAGACTCCATCTAAGGATGACTCTCTAGAGGAAGGAACACAAGACTTCTCTGAAGG
 CCAGTCTCTCTGAAGTACCATGACAAGCATTTCTGGGAACAACAAAGCTGTGACCTCTGCCACTGT
 CTCAGCTCACAGAAGGAATTGGGACACCTGGAACCTGAGGTATTCTCAAGGCCCTTAAGACCAGGGC
 ACAGAGGAAGTGCTCTTGATCCAGGGCCCATGCTCGTAGGCTGTGTGACCATGTGGCAGCCCTGCAAT
 CTATCCAGACAGCAATTCTCCAGACAGGATAAGGGCAATGGGCTCTTCTGGAAGCCTCAGGCTTGGGGT
 CCCAACATTCTGCAAAAGAACCAATAAGCAGCAAGCCCAATGAAGCAGCTGGCTGTGGCCTCTCCTCCT
 CAGCCAGCCACAGGACCAGAAATGCCGTGACCTATTCTGGACCTGAACCAGCTCAAGTTGGAACCCCTC
 CAGGCTAGGCCCCAAGCCTGTTCTCTGTAGACAGCAACCTCAGCAGCTCTGCCCCAGGGCTCCAGAG
 CAAGTGCCACATAGGGGTTCAAGTGGGTCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_213727
Insert Size: 2343 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_213727.2, NP_998892.1</u>
RefSeq Size:	4367 bp
RefSeq ORF:	2343 bp
Locus ID:	211383
UniProt ID:	<u>Q6NS69</u>
Cytogenetics:	1 B
Gene Summary:	Regulator of the canonical Wnt signaling pathway. Acts by specifically binding phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2), translocating to the cell membrane (By similarity).[UniProtKB/Swiss-Prot Function]