

Product datasheet for **RN211463**

Amer1 (NM_001109320) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Amer1 (NM_001109320) Rat Untagged Clone
Tag: Tag Free
Symbol: Amer1
Synonyms: Fam123b; RGD1560322
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN211463 representing NM_001109320
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGATTCAACAGGATGAAACAGTTCAAATCAAGAGGACATCAACTTCCAGTGATGCCAAGATCAGG
GAGCTGAGAAGGGAGCCAAGAATAAGACAGCTGAGACAACAGAAGGATCAACATCAGAGCCACCCTTATC
AGGCCCAGGTAGGCTGAAGAAAAGTGCCTTGAAGTCTTTGGTGGCAAGAAGGGAATCTGTACTCTGCCT
AGTTTCTTTGGGGTGGACGAAGCAAAGTTCTGGGAAAGGCAGCTCCAAGAAGGGTCTAAACAAGAGCA
AGACCCACGATGGTCTGAGTGAATCATCTCACGGCCCTGAAGATGTTGTCGTTGAAGAAAACAGAGCTCTC
TACACCTTTGTCCAAGTCACTTCTCAATTTCTAGCTCCAGAGTGCCCATGGAGCTTTGGAGATAGGC
TCTAGACATAAGACATCTGTGACTGAAGCTGTAGAGAAAGCTGGAGTTGAGAAGGTACCCTCTGTGCACA
AGCCGAAGAAAGGCCTAAAAGGCTTTTTAAACAGTATCCGCCGTCACCGAAAGAGCAAGGTTTCTGGGGC
TGACCAAAGTGGGCTAGGGGCCAAGGAAGTGGAGGACAAGAACCATGTCTCAAGAGCATGTGAGTTCA
ATCTCTCTGCCAGCTCTGAGGAGATATCCGAGATGCTATAAAGGAAAATACCAAACCCAGGATGCC
CTGGACCAAAAATGTCTCCAGCAAGAGAACATTTTTCACTACTGAGAAGACAGCTGTAAAAATCC
AGAAAAACTTACAATGACCTGTGCCTCAGAGTTTATGCAGCCCAAGCCTATTCTTGAAGCTAGTAGTCTA
GAAGAGCCCCACACTTCAGAAACAGAAGGAAAAGTGGTAACAGGAGACGCAAACCCACCCAATGGCCCGG
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AACCGAGATGGGACCAAGCGAAGTTCCTGCTTGGTGACCTACCAAGGAGGTGGGGAGGAAATGGCCTTGC
CAGATGACGATGACAATGAAGAGGAAGAAGAAGAGGATGAGGAGGTAGAATTAGAGGATGAGGAAGAGGA
GGTCAAGGATGGGAGGAAGATGATGACTTAGAGTATCTGTGGCAAGTGCCAGATATACCAAGATTT
AATATGAACCTGGGCTATCATACTGCTATATCTCCAGCCACCAGGGCTACATGCTTCTTGACCCAGTTC
AGTCTTATCCTAACCTAGGCCTGGGAGAACTTTTACACCTCAGAGTGACCAGCAAGAGTCTGCTCCCAA
TAGTGATGAAGGTTATTATGACTCTACCACACCAGGATTTGAGGATGATTCGGGTGAGGCCCTGGGGCTT
GTCCATAGGGATTGTCTACCCAGAGACAGCTATAGTGGTGATGCTCTTTATGAATTCTATGAGCCAGATG



ACAGTCTTGAGCACTCCCCACCTGGGGATGACTGCCTTTATGACCTCCGTGGACGCAACTCAGAGATGTT
 GGATCCTTTCTTGAACCTGGAGCCCTTTCTTCTCGACCACCTGGGGCAATGGAACAGAAGAAGAACGG
 CTGGTAACCATCCAGAAGCAGTTGCTGTACTGGAACTTCGCGGGGAGCAGCGTGAGGCTCAAGAGGCAT
 GTGCCAGAGAGGCTCATGCCAGAGAAGCTTATTCTCGAGACCCACACTCGGGAATCTTACGGCAAAA
 TACCCGAGCCCGAGAAACCAAGCCCTAGAGGTTCACTTCAAGAGGGTCGAGTCCAAGAGACCAAAGTA
 CGGCAAGAGAAGCCTGCCTTGAATATCAGATGAGGCCATTAGGCCCTCGGTGATGGGTCTGGTGCCAG
 GGACACCAGGAGTTCTCAGACTTCACACCGGGAACTTCCAGCTTCCAGTACTCCAGTGTGA
 ACCAGACTGGCGGGATTCCGTCCTCTGGAGAAGCGTTTTGAGGGGACTTGCTCCAAAAAAGATCAAAGT
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 GCTCTCCAGGAAGGCCTACCCTAGTTACTCACCCCTGAAGAGCCAGAGGAAGAGGAAGATGAGAACGA
 AGGGAATGCCACTGTGAGTTTTTACAAGCTCTAGTAGAGTTTACCAGCAATGGAACCTTTTTACCAGC
 ATGTCCTACAGCTCTGATTCTGACTCATCTTCACTCAAATCTCCCTGAGTTGCCCCCATGGTCACTT
 TTGACATTGCTGATGTGGAACGGGATGGAGAAGGCAAGTGAAGAGAATCCTGAGTTCAACAATGATGA
 AGATCTTACGGCCTCCTTGAAGCTTTTGGAGTGGTTATTACCACAAACATGCCTTCAACAGCTATCAC
 AGCCGGTTCTACCAAGGCCTGCCTGGGGTGTAGCAGCCTCCCTCGATACTTAGGACTCCCGGGTGTAC
 ATCCTCGACTCCACCCGCTGCAATGGCACTCAATAGGAGAAGCCGTTCCCTTGACAATGCAGAGACCCT
 GGAGCTGGAGCTCTCCAGTTCTCACCTAGCCCAGGGTTATGTGGAGTCTGATGAGCTACAGGACCACCAG
 GAAGATTCAGATGAAGAAGGTGAAGAAGAGGAAGGAGAATGGGGCCGGGACAGCCCTTGTCACTTACA
 CTGAACCTCCAGGGGTCTATGACTGGCCACCCTGGGCTCACTGTCTGTTCCAGTGGGACCAGGTCTTGC
 TTGGCTAAGCCCTAATCAGTTGGATGAGCCTTCAATCAGTCTTCATATGTGCAAGCAACCTGTTGTGTA
 CCTCCTGTGGCAATGTGAGTCCAGGAAGAGCACCTGGAGACTCTGTGTCTCAGCCAGCTCGACCTTCA
 ACCTACCCTGCCATGGGTCTTGTCTAATCACTTCAATCACAGGCCTCCAGAGTGGGAGGGCCAGGCC
 TCGGGATGTACTGCTGCCTGTAGATGAGCCAGTTGCTCCTCCATTTCTGGAGCCAACTCTGTCTCAA
 GCCAAGCCTGTAGGCATACCCATGGTATCCCTCAGCTGCCAGGGTACGGCCTGAACCCCTTCCAGTTC
 AACCAATCACTACCGAGCTTCAACCTTGACCTTTCAAAGGAGAGGGGTGAACAAGGTGCCTCTCTCT
 TACCAGCTACTCTCCACTGCCATGAATGGAACTAGCCAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001109320
- Insert Size:** 3336 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_001109320.1](#), [NP_001102790.1](#)

RefSeq Size: 3663 bp

RefSeq ORF: 3336 bp

Locus ID: 501584

Cytogenetics: Xq22