

Product datasheet for **RN206062**

Gen1 (NM_001106717) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gen1 (NM_001106717) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gen1
Synonyms:	RGD1559792
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN206062 representing NM_001106717
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGAGTGAATGACCTGTGGCAAATTTTGGAGCCTGTAAAGCAACATATCCACTTGCAGGATCTTTGTG
 GGAAGACCATTGCCGTTGATTTGAGTCTCTGGGTATGCGAGGCACAGACAGTGAAGAAAATGATTGGAAC
 TGTGCATGAAGCCCCACCTCAGGAACCTATTTTTTCGATTTTCATATTTAACTCAAATGAATGTAATACTG
 GTGTTTGTGATGGAAGGGGAGCCACAAAGCTGAAAGCTGATGTCATGAACAAGAGGACTCAGACTCGAT
 ACGGGCCTTCTGAAAAATCGAGGTCTCAGAAAACAGGGAGATCGCATTAAAGTCACTTACGAGAGTG
 CCTTGAATGCTAGAGTGCCTAGGAATGCCCTGGGTCCAGGCTGCGGGGGAAGCTGAGGCCATGTGTGCT
 TACCTTAATGCCAGCGCCATGTGGACGGCTGCCTACCAACGACGGCGATGCTTTCCTTATGGAGCCC
 AGACTGTGTACAGGAATTCACCATGAACACAAAGGATCCACATGTTGACTGTTACACGGTATCATCTAT
 CAAGAGTAAGCTAGGCTGGATCGAGATGCTCTGGTGGGACTGGCGGTACTTCTTGGTTGTGATTACCTT
 CCGAAGGGAGTGCCTGGAGTTGGAAAAGAACAAGCGTTAAAACTTTTGCAGATTTTGAAGGTCAAAGTT
 TGCTTCAGAGGTTTAAACCAGTGGACTGAAGAACCTGGCTACTCTGTTCCACAATCAGCAGCAAAAAAGT
 GGTTCACTGCTCGGTGTGTTCCCATCCAGGTTCTCCTAAGGATCATGAACGCAATGGGTGCACACTATGT
 AAAAGTGATAGATACTGTGAACCACATGATTATGAATACCTCTGTCTTGTGAATGGCACCAGACAGACC
 ATAATAGGCAACTAAATGAAATAGAAAACAATATTAAGAAAGCTTGCAGTTGCGAAGGATTTCCATT
 CCATGAGGTCAATCAAGAATTCCTTTGAATAAGAATAAACTGTTAAAACCGATCAGGTACCAAAGACCT
 GATTTATTATTGTTTTCAGAGATTTACTGTTCAAAAAATGGAGTGGCCAGTCACTATGCGTGTGAAAAAT
 TGTTGGTCTTTTGACCCGCTATGACATGATAGAAAAGAAAATGGTAGAAAAGACTTCCAATCAACTACA
 GCCAATTAGAATTGTTAAACCTCGAATCAGAAATGGAGTCTGTTGTCTTGAATAGAATGGGAAAAGCCT
 GAACATTATTCGGTAGAAGATACACAACCTGGAGGACTGGATCTCCTTACAATCGAAGAAGCATCACTGT
 TTGAAGCAGCCTATCCTGAAGTTGTAGCTATCTACCAGAAAACAACAGTCAGAAAATAAGGGGAAGAAAACA
 GAAAAATATAAAATTAAGCCAAAGGAAGCCATCTACCAGAATCAGATGATGTGATCAGTTCCAGTCA
 CTTATTACTTTAGAACCTATATCAAAGCCTTCCCAAGCAGAATCCCAAATTTGATTTGGAAAATTTCTC
 CAGATCCTATTTAGCACAGGAGTCTACTTCTCCCTCATTGAGTAGTTTTGTTTCCCTGAAAATGCTCT
 TGGTTTGAATTTGCAAGAACAGTTAATGCCTTCCAAGAACTTTGGCTGTAAGCAAATAAAGATGTC
 AGTAATTTCTAGTTTCAGAGTGTAGTCAGCCAGTCTTTCATCCATAATATTTCTGTGATTACTGATC
 TACACTTGAGTACCATTGACTGGCAGGTACTTCTTTAGTAATTCAGCAGTTCAAAGAAAACACTTT
 CTCTCAAGATTTACAATCAGAACCTGAATCATCAGCCATCCTTCTGCCTTTGAACAGTTGTGCATATGAA
 TCAGAACAATGTACCTTAAGCAACAAAGTGTCCAATAGAGGTCTTCAGAAAGTGGTCTGAAGAGCATC
 TCCTTTCCAGCATCACTGGTTTACATCTTCAGGATTTGCCTTAAAGGAAAAGATACATATAAAATCTTC
 ATGCCCTCAGTATAATGTAGGAGCAGATGCTGACCTGGAAAGTTTACCCCTAACAAATGAATCACTCTTGC
 ATTGCTTACAGTAGCTCTGGTGGTTTATCCCATTTTTCGAAGGATCTTACAGGGGTATATCTTCAGAAAG
 AGCTCAGAAACTCTAAAGTTCTAGACAGCCACTTCCCTCAAGAAAATTCAGGGTGAATCTTCTTACC
 TTATTCTTTCAATGACGAAGCAGTAAAGACTTCCAGTCTTCAAGTTGGGCTGCCAACTGCTGTACCT
 CATAATCCAAAAGTTGATGTGAAAATAAGAACCTTGTCAAGAAGAGTAGTGTTCCTCAAGAGAGATT
 CCTCAGATGAAGAGAATGCTGCAGTGTCTGGAAGCTAAGTATACTGCTCCTAAATGAAACACAGCTC
 TCATAATCATAGCCTAGTCCATGACAGAGACAGTACTCACAACAAACACAGAAAATCCGAAAGATGAATCT
 AACGAAACCAAATGTGTACTGAGTCTTTTAAAAATAGCTGAAGATGAAGAAAACAAGTTCTCAGATCCAG
 CAAGAAATCCCCAGAGTTTTCTACAATGTCATAACAAGGATGAGGACTCTGCTGACTGCTGGGAAAGTCC
 TCTCCCTTACGCCAGAGGTTAAAGCTCAGGTTCCAGAACACTCAAAGTAGACTTTATAACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001106717

Insert Size:	2727 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:	<ol style="list-style-type: none">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:	<u>NM_001106717.1</u> , <u>NP_001100187.1</u>
RefSeq Size:	4285 bp
RefSeq ORF:	2727 bp
Locus ID:	298884
Cytogenetics:	6q15