

## Product datasheet for **RN217293**

### Garem2 (NM\_001191874) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Garem2 (NM_001191874) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Garem2
Synonyms:	Fam59b; Gareml
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN217293 representing NM\_001191874  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGAAGCTGGCGGCCGGCTTGCCGGGCTGCGCTGGAGCATGGGCGCTTCCCGCTGGACCTCATCG  
 TCAGCCGCTGTCGCTGCCACGCTCGCCTGCCTCGGGCCAGGGAGTATGCTGAGGGTGTCACTGAACG  
 AGATATCCTGCTGATCCACTCCTGCCGCCAGTGGACCACAGTGACCGCCATAACCCTGGAGGAGGCCAC  
 TACGTCATTGGACCAAGATTGACATCCCCCTGCAGTACCCAGGCAAATCAAGCTCCTGGAGCAGGCTC  
 GGGATGTGCGGGAGCCGGTGAGATACTTCAGCAGTGTGGAGGAGGTGGCCAGTGTCTTCCCTGACCGAAT  
 CTTTGTGATGGAAGCCATCACCTTCAGTGTCAAGGTGGTGTGAGGCGAGTTCAGCGAGGACAGCGAGGTG  
 TACAATTCACACTGCACGCAGGCGACGAGCTCACTCTCATGGGTGAGCCGAGATTCTGTGCGCAAGA  
 CAACCAAAGAGCGCTCGCGCTTACCACGCTCCTGCGCAAGTTGGGCCGTGAGGGCCCTGGCTGGAAT  
 CGGCGGTCCCGGAGTATGGGGCCACAGGAGGTGGCGGGGGCCCGCCAGGCCCGTCCAGAGGCAAGATG  
 CCCTGTCTCATCTGCATGAACCACCGCACCAACGAGAGCCTGAGCCTGCCCTTCCATGCCAGGGCCGCT  
 TTAGCACGCGCAGCCCTCTGGAGCTACAAATGCAGGAGGGCGAGCACACGGTGCAGCGCCATCATCGAGCG  
 CGTGAGGCTTCCGGTGAACGTGCTGGTACCCAGCCGGCCCGCCGCAACCCTTACGACCTACACCCTGTG  
 CGGGAGGGCCACTGCTATAAGCTGGTCAAGTCTCTCCAAGACCGTGGTGTGGGGTGGCGCTGCGCC  
 GTGAGGGTCCGGCGCCACTGCACTTCTGCTGCTACCCGACACGCCCGCTTCACTTGCAGGAGGTCT  
 GCTGGCCGGGACCCGCGCTCGAGCGCTGGTGCAGCAGCGCCTCCTACTGTGCGGAGCGCTTCGAT  
 CCGGACGAGTACTCCACTGCTGTGCGCAGGCGCCCGGAGCTCGCGGACGATTGCGCCAGTCCGCGCC  
 GTGCGCGCCTCTGCTGCCCGCGCGCTGTTCCCGGTCTGTCCGTGTGCTGGACCCCGGGTGCGCC  
 GGTCTGCCCCTGCCAGCACCGAGCGACAGCGACCAAGGAGTACGTGAGCCCTGATTGGGCGGGTGCGCC  
 GAGCCCGCGCGCGTGCAGCGAGATCCCTACGAGGAGCTGTGGTGCACCAAGGCCCGAAAGCCTCG  
 CCGACGCCGTGCAGCGCGCTGACAGGGCCGGATCTCATCTCTTTGGGACCGTGGGGCCCCACAGCA  
 TGAACCAGAGGACACCACCGCTCCTGTCCCCCAAACTGAGGCGGTGAAGGAAGAGTGCCGCTGCTT  
 CACGCCCCGCTGTGCTCCTAGGGTGGCAGCAGCTGCAGTAGGCTCACAGGACGCCCTCCAGTCCCGC  
 CCCGCTTCCCAAGCTGCAGTCTGTCCACTACCGAGCTCCAGTCTCTCGTACTATTCTCTGCGCTGCA  
 GGATGGGGCAGGATCCCGCAGTGGCAGTGGTCCCGTCAACGGATGCATACTCTCTATTGCTACCTT  
 TGCACCTGGGAGATTGTAAGCCAGCGAGTCTCTAGTGCAGCCAGGACCCCTACCTTCTACCA  
 CACCCAGCCCGCAGTCAAGGCTCAAGAGCCCTAGCAGAGCCTTGGAGTGGTGAACCGCTCCCTCTT  
 GGGAGCTGACACCCAGCGGTTAAGAACTACCATAGCTGCCCCGCTCTGTTAAACCCCTACGTCGCCAG  
 AAGTCCCTTGCTCCCTTTGGTGCCTCAACCCATTCTCTGGGCTGCCACCCCTCAGGTGCTCCAGCGG  
 CCTCCTCTCTGGGTCCACATCCACTTCGGGTGCCCTGGCTACCTCCAGCCCCACACTCCCAGGCC  
 AGGCCACAGGGCAAGTTACTCAGTGTCCCTCCTCCTCTGTCTCTCTGAGTGGCAGGAGCCA  
 GCGCTGGAGCCCTGGACCGTTTGGCTGGGGCAGGCCAGTCTCCTGAGCTGGAGTGTCCGCTGCC  
 AGGAGCCAGAGCTTCGGGGACACTGGGTCTGGACATTGCCTTCCCACTTGGTCCGCCAAGGCCTT  
 AGAGCCGAAGTTTGGTGTGAGGCAAGTCCCTGCCTCACTGTACAGTGCCTTGCAGGGGCCGAG  
 GCAGGAGGAACCTCCTCTTTCTTACCAAGGGTGCCTGGAAGGCCCTCCTGGCAGCCACGGGAGGGCG  
 TCCAGGTGCCGAGTCCGGGATGCTTCTCCTGCGAGCCACCAGCAGACTTATCTGCCCTCCTCGTGGA  
 AGAGGTCTCACGGAGCTGCGCTTATCGGGCTCTCAGAGGACGTGGTGGAGTCTTTGCCCGAGAACGC  
 ATTGACGGAAGCATCTTTGTGAGCTCAGTGAGGACATCTGGCTGATGACTTTCATCTTACCAAGCTTC  
 AGGTCAAGAAGATCATGCAGTTCATCAAAGTTGGAGACCAAGATC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001191874

<b>Insert Size:</b>	2640 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001191874.1</a></u> , <u><a href="#">NP_001178803.1</a></u>
<b>RefSeq Size:</b>	2662 bp
<b>RefSeq ORF:</b>	2640 bp
<b>Locus ID:</b>	362801
<b>Cytogenetics:</b>	6q14