

## Product datasheet for RN217605

### Carmil1 (NM\_001191692) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Carmil1 (NM_001191692) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Carmil1
Synonyms:	Lrrc16; Lrrc16a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217605 representing NM_001191692 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCGACGAGAGCTCCGATGTCCCCGGGAGTTAATGGAAAGCATCAAGGATGTTATTGGCAGAAAGA  
TCAAAATCTCGGTGAAGAAGAAAGTGAAGTTGGAAGTGAAGGGTGACAGAGTGGAGAACAAAGTCTGGT  
GCTCACATCATGCCGAGCTTTCTCTGTGTCAGCACGCATCCCCACCAAGCTCGAGTTAACCTTCAGCTAT  
CTAGAGATTCATGGAGTCATCTGCCACAAACCTACTCAGATGGTGTGGAAACTGAGAAGTGAACGTGT  
CCATGAAGATGGCGTCACTGGAGGATGCGAGTGTGTGCTGGCTCACATAGGCACCTGCTTACGGAGGAT  
ATTTCCGGGCCTTTCCCACTGAGAATCATGAAGAAAGTCTCCATGGAGCCATCTGAGCGCCTGGCCAGT  
CTCCAGGCCCTGTGGGACAGCCAGACCTTGGCTGAGCCAGGCCCTGTGGTGGGTTTTCTCAGATGTATG  
CCTGTGTATGCGACTGGCTGGGATTTTCGTACAGGGAAGAAGTGCAGTGGGATGTGGATACAATTTATCT  
GACACAAGATACCAGGGAATTAATTTACAAGACTTCAGTCATCTCGAGCACAGAGACCTGATCCCATC  
ATCGCTGCCCTGGAATATAACCAATGGTTCACCAAAGTGTCTCCAAGGATCTCAAGCTGTCCACGGATG  
TCTGTGAACAGATCTTGAGGGTGGTGAAGTGGTCAATCTACTGGAAGAGTTGGTGTGGAAAATGCTGG  
ACTCAGAACAGATTTTGACAGAAATGGCCAGTGTCTAGCACACAATCCTAACTCAGGACTTCACACA  
ATCAACCTTGTGGGAACCCGCTGGAGGATCGAGGCGTGTCTCCTTAAGTATTCAATTTGCCAAACTCC  
CAAAGGGATTGAAGCATTGAACTGTCTAAAACCTCATTGTACCTAAAAGGGTGAATAGCCTTTGTCA  
GTCCCTCAGTGCCAACCTCTGACTGCCTCTACCTCACCCACCTGGACCTCTCAGGGAATGTCCCTCGA  
GGAGATGACCTCTCACACATGTACAATTTTGGCCAGCCCAACACCATTGTTCACTGGATCTGTCTA  
ATACTGAATGTTCTCTGGAGATGGTGTGTAGTGTCTCTCCGGGGATGCCTTCAGTGTCTGGCCGTGCT  
CAATCTCTCCAGGTCTGTCTCTCACAGGAAAGGAAAGGAAAGTCCCTCCGTCTTTCAAGCAGTTTTTC  
AGCAGTTCTCTGGCTTTGATCCAATCAATCTTTCAGGCACAAAAGTGTCTCCGAGCCCTTGAAGGCAT  
TGCTCCTGGCCCTGGCCGCAATCATAGTTTGAAGGGAGTCTCTGGATCTCAGCAATTGTGAGCTTGG  
CCACTGTCTGAGGTCCGGAGGAGCTCAAGTGTGAAAGGCTGTATCGCTGAAATCCACAACATCACCAGC



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TTAGATATCTCTGACAACGGTTTAGAATCTGACCTATCTACCCTGATTGTGTGGCTCAGTAGAAACAGAT  
 CAATACAGCACCTGGCGTTAGGCCAAAAATTTAAACAATATGAAATCCAAAAATCTGACGCCTGTGTTGGA  
 CAACTTAGTGCAGATGATCCAAGATGAAGACTCTCCTCTGCAGTCCTTGTCCCTGGCTGACTCAAACTC  
 AAGACTGAAGTACCATCATCAATGCCTTGGGCAGCAACACCTCCCTGACCAAAGTGGACATCAGTG  
 GGAATAGCATGGGGACATGGGAGCGAAGATGCTGGCTAAGGCTCTACAGATCAACACCAAACCTCAGGAC  
 AGTCATCTGGGACAAAAACAACATTACTGCACAAGGCTTCCAAGACATAGCCGTTGCTATGGAAAAGA  
 TACACACTGAGATTTATGCCAATCCAATGTATGATGCTTCTCAAGCTCTTAAACAAGCCCTGAGAAGA  
 CAGAAGAGGCTCTGCAGAAGATAGAAAATTATCTGCTCCGGAATCACGAGACCAGGAAATACCTTCAGGA  
 GCAGGCCACCGCTCCAGCAAGGCATTGTACCAGCACCCAGCAGATGATTGACCGGATATGTGTG  
 AAGTTACAGGATCACCTCAACTCCTTACGAGCCTGTGGGGGGATGCTATTACAGGAGATTTAAAGGCAG  
 CAGAGCGGCTCATGCGAGATGCTAAGAATTCTAAAACGTTGTTACCAAATTTATACCATGTGGCGGAGC  
 ATCATGGGCAGGAGCCAGTGGGCTGTATCCAGTCCCATTCAGGAGATCCTGGAGTCAATGGCCGGAGAA  
 GTCACAAGAGTTGTGGATGAACAACTGAAGGTTTGTAGAACTATGGTGGATGCGGCCGAGAACCTCT  
 GCCCAATGTCATGAGAAAAGCCACATCCGACAAGACCTGATCCAGCCAGCACCGAAAAGATTTCCAT  
 TCCACGAACCTTTGTTAAAAATGCTCTGTGGAACAGTCTGGAATTGACATTCTTAAACAAAATTAGTGAG  
 GTGAAGCTGACAGTGGCCTCGTTCTTGTCTGACCGAATCGTAGATGAGATCCTGGATTCTCTCCAACA  
 GCCATCGGAAGCTGGCAACCATTTTCAGCAGGCTAAGCAAGAGCCTTCCCGAGCAGAGGACCTAGAGGT  
 GGAGCTGGTGGAGGAAAAGCCGGTAAAACGGGCCATACTTACGTTGAGGATCTCACTGAGGTGGAGAAG  
 CTGGAAGACCTAGACACTTGTATGATGACTCCTAAGTCCAAGAGGAAGAGCATCCACAGCCGAATGCTGC  
 GGCCTGTCTCCAGGGCCTTTGAAATGGAGTTTGTATCTTGATAAAGCCCTGGAAGAGGTGCCGATTACAT  
 CGAAGACCCGCTTTCCCATCAGTCCGGCAGGAGAAGCGAAGCTCGGGCTTGATCTCTGAGCTGCCCTCA  
 GAGGAAGGCAGGAGACTGGAACACTTACCAAGTTAAGGCCAAGAGGAACAAGAAGCAGCAACCTACAC  
 AAGCAGCGGTCTGTAGCATCAACATCATCCCCATGATGGAGAACAGAATGGCCTCATGGCCAGATGGA  
 TGAAGGTAGATGAATTTTCCCAAGAAGGTGACTAAAAATGGATTGCAAGAGGTCATCCACGCGCTGT  
 TCAGATACCCACGACCTCGTAGAAGGAGATGAGAAGAAAAACGGGATTCTCGGAGAAGTGGCTTTCTCA  
 ACCTAATTAATCCAGGTCCAGATCTGAGCGGCCGCCACGGTCTGATGACAGAAGAGCTCTCTCCCC  
 GAAAGGGCAGTCCGGAGCCACCAGTGGATACCGCCAGGAAGGAGATAAAGGCAGCTGAGCACAATGGT  
 GCTCCAGAACGCACAGAGGAGATGAGGACACCGGAGCCCTGGAGGAGGGTCTAGCAGAGGAAGCTGGCA  
 GGGCTGAGCGCAGTGACAGCAGGGGCAGCCACAGGGTGGCCGGCGCTATGTGCAGGTGATGGGCAGCGG  
 GCTGCTGGCGGAGATGAAGGCTAAACAGGAGCGGAGAGCAGCATGTGCGCAGAAGAAGCTTGGCAACGAT  
 GTCATCTCCAGGATCCCTCCAGCCAGTCATGAGCAACACAGAGCGATTAGATGGAGGGGCAACAGTGC  
 CTAAACTGCAACCAGGTCTTCCAGAGGCCCGCTTTGGTTTGGGAACACCAGAAAAGAATGCCAAAGCTGA  
 ACCCAGGGTGGATGGAGGCTGCAGGTCCCGAAACTCCTCCAGCATGCCACCAGCCCGAAGCCCTCCTT  
 CAGTCCCCTAAGCCCAGCCCTGCAGCCCGGCGTCTATCCCTCAGAAGCCAAGAAGTGCCTCCAAACCTG  
 AAGATACCCAGACTCTCCATCTGGTCTAGTTCCCCTAAAGTTGCCCTTCTCCACCCATCTCAAAAA  
 AGTCTCCTTGGACAAAGAGCGTATGACCAGAGCAGCTCACAGTCCAGTCCATAGGACCTTCTCCAGGAA  
 GTCTCAAGGAGAAGCTGGGGCCAGCCAGGAGTATCAAGAACAAAAGCAACGGAAGTGGGCAAGATG  
 GTCACCAGGGGAGCAATCCAGTACTCTGGAGAAGAGGCAGAAAAAGAGTTATTTTTGTG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_001191692

**Insert Size:**

4125 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).

<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_001191692.1</a></u> , <u><a href="#">NP_001178621.1</a></u>
<b>RefSeq Size:</b>	5007 bp
<b>RefSeq ORF:</b>	4125 bp
<b>Locus ID:</b>	306941
<b>Cytogenetics:</b>	17p11