

## Product datasheet for **RN217606**

### Carmil3 (NM\_001014138) Rat Untagged Clone

#### Product data:

|                           |                                                                                    |
|---------------------------|------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                |
| Product Name:             | Carmil3 (NM_001014138) Rat Untagged Clone                                          |
| Tag:                      | Tag Free                                                                           |
| Symbol:                   | Carmil3                                                                            |
| Synonyms:                 | Lrrc16b                                                                            |
| Mammalian Cell Selection: | Neomycin                                                                           |
| Vector:                   | pCMV6-Entry (PS100001)                                                             |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                               |
| Fully Sequenced ORF:      | >RN217606 representing NM_001014138<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTGTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGC**C

ATGGCCAAAGGCCAGCGTGGAGCTACCCGCGAGCTGCAAGACAGCATCCGGAGGTGCCTGAGCCAGGGGG  
CTGTGCTCCAGCAGCATCGAGTGAACTAGAGACAAAACCAAGAAGTTCGAGGACCGAGTACTGGCCCT  
GACTTCCTGGCGCCTCCACCTCTTCCCCCTTAAAGTCCCAGCCAAGGTAGAAAGCTCATTCAATGTCCTG  
GAGATCCGTGCCTTCAACACACTCAGTCAGAACCATCTGGTGGAGACTGAGCGTGGTGTGGTGGAGCA  
TGCGGCTGCCGTGAGTGTGGACAGGTGACCCGGCATGTGAGCTCTGCCCTCTCCAAGGTCTG  
CCCTGGCCCTGGGTGTTTGATCCGGCGTGGAAATGCAGACACCCCGGAGGGTCCCGAGACACATCTCCC  
AACTCTGAAACATCCACATCGACCACTCACAGTGTGTGTGGTGGCTTCTCCGAGACCTATGCTGCCCTAT  
GTGACTACAATGGACTCCACTGCCGAGAGGAGGTGCAATGGGATGTGGACACCATCTACCACGCTGAGGA  
TAACCGAGAGTTCAATCTTTGGATTTAGCCACTTAGAGAGCCGAGATTTGGCCCTTATGGTGGCTGCC  
CTGGCCTACAACAGTGGTTACCAAATCTACTGCAAAGACCTGAGACTGGGCTCAGAAGTGCTAGAAC  
AGGTGCTACATACCCTCAGCAAGTCGGGGAGCCTCGAAGAGCTGGTGTGGACAATGCTGGGCTTAAGAC  
GGATTTGTCCAGAAGCTGGCCGGGTGTTTGGGGAGAACGGGAGCTGTGTGCTGCATGCGCTCACTCTG  
TCCCACAACCCATCGAGGACAAGGGTTTCTCAGTCTGAGCCAGCAGCTCCTGTGCTTTCCCGCCGGCC  
TCACCAAACTGTGCTGGCCAAGACTGCTGTTTCCCCTCGAGGGCTCCAGGCACTGGGCCAGACCTTCGG  
GGCCAACCCGGCCTTTGCCAGTCCCTTCGATACCTGGACCTGAGCAAGAACCAGGCCCTGCTTGCCACA  
GATGAGGCCAATGCACTCTATAGTTTCTTGCCCAACCAACGCCTTGGTACACCTGGACCTTTAGGGA  
CGGACTGTGCCGTTGACTTGCTTCTGGGCGCTCTACTTCATGGCTGCTGCTCCACCTCACCTACCTCAA  
CCTGGCTCGAAACAGTGTCTCCACAGGAAGGGCCGGGAGGCCCGCCAGCCTTCAAGCAGTTCTTCAGC  
AGCGCCTACACCCTGAGCCATGTCAACCTGTGACCCACAAGGCTGCCCTGGAGGCCCTCAGGGCACTTC  
TTCAGGGCCTCTCCCTCAACAGTCACCTCAGTGATCTGCACCTGGACCTTAGCAGCTGTGAGCTCCGCTC  
AGCAGGAGCCAGGCCTTGCAGGAGCAGCTGGGGCTGTACCTGTATAGGCAGCCTAGACCTGTCTGAT



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AATGGGTTTGAAGCTCAGACCTCCTGACGCTGGTGCCTGCACTTGGCAAAAACAAATCCCTCAAACACCTAT  
 TCCTGGGGAAGAACTTCAATGTCAAGGCCAAGACTTTGGAAGAGATCCTTCATAAGCTGGTCCAGTTGAT  
 CCAGGAAGAGGATTGTTCCCTGCAGTCACTCTCGGTGGCAGACTCCAGGCTGAAGCTTCGCACCAGCATC  
 CTCATCAACGCCCTGGGCAGCAACACCTGCCTGGCCAAGGTGGACCTGAGCGGCAACGGCATGGAAGACA  
 TCGGGGCCAAGATGCTGTGCAAGGCCCTGCAGATAAATCTTCCCTCAGAACTATCCTATGGGACCGGAA  
 CAATACATCTGCCCTGGGCTTCTTGGACATTGCAAGGGCCCTGGAGAGCAACCACACTGCGCTTCATG  
 TCCTTCCCCGTGAGCGACATCTCCCAAGCTTACCGCAGCGCCCTGAGCGCACGGAGGATGTGTGGCAGA  
 AGATCCAGTGGTGCCTGGTGAAGAACCAACTCCAGACATGCCCTCAGGAGCAAGCCTTCAGGCTACA  
 GCAGGGCTGGTGACCAGCAGCGCAGAGCAAAATGCTGCAGCGGCTATGTGGACGAGTGCAAGAGGAGGTA  
 CGGGCCCTGAGACTATGTCCCCTGGAGCCTGTGCAAGATGAGCTGCTGTATGCCCGAGACCTCATCAAGG  
 ATGCCAAGAACTCCCGGGCGCTGTTTCCAGTCTCTGTGAGCTGGGCCACGTGTTGGCCAATGATGGGCC  
 TGTGCGGCAGAGGCTGGAGTCGGTAGCCAGTGAGGTATCCAAAGCTGTGGACAAGGAGCTTCAGGTGATC  
 CTGGAGTCCATGGTCAGCCTAACACAGGAATTATGCCCCGTGGCCATGCGGGTGGCAGAGGGACACAACA  
 AGATGCTGAGCAACGTGGCGGAACGCGTCACCGTGCCCCGGAACCTTCATCCGCGAGCGCTGCTGGAGCA  
 GCGGGGACAAGACATTGAGAACAAGCTGGACGAGGTGAAGCTCTCCGTTGTACCTACTTGACCAACTCC  
 ATAGTGGACGAGATCCTGCAGGAGCTGTACCACTCCCAAGAGCCTGGCCCGGCACCTGACCCAGCTGA  
 GGACACTGTGCGATCCACCAGGAGGGGCGGCCAGGGCAAGATCCATCTTCCCGAGGCAGAGGCAGGAG  
 CCATGACCATGAGGAAACAGATGACGAGCTTGGGACCAACATCGACACCATGGCCATCAAAAAGCAGAAA  
 CGCTGCCGGAAGATCCGGCCAGTGTCTGCCTTCATCAGTGGGAGCCCTCAGGACATGGAAGCCAACTGG  
 GAAGCTTGGGGATCCCTCCTGGCTGGTTCTCAGGACTTGAAGCAGCCAGCCACAGCGAGTGGCTCCTG  
 GGAAGGCCTATCTGAGTACCTACCCATGGCTATAAATAAGGCACCAACACAAGGGAGGCCGAGGCCCT  
 CCCAGGACTACTCCACCAGGACCCGGTCGGCCAGTGTGCCAGTACCTGGGCCTCGTCAGGAGAATGGGA  
 TGGCCACCCGTCTAGACGAGGGCTGGAGGACTTCTTACGAGAAGGGTCATGGACGAAAGCTCCAGCTA  
 TCCCCGGACTCTGAGAACCATGCGGCCAGGCCCTCAGAGCCACCACTGCCTGCACTCCAGAAGAGGAGG  
 CGGCGAGGCTGTTTCACTTCCGCCGGCCCCGAGCTTCAAGGGGACAGGGGACCAGGGTCCCCCACTG  
 CTGGACTCCTCCTCCCTCCACCCCACTCCGCCCCCACTCAGGAGAGCCACCCAGTCCAGACCCCCC  
 AAGCCTTGGCAATAACTCATCTCCCTGTTGGAGCCAGAGGAGGAGCAGCCTCCTTCCAGGATTTGGA  
 GGGGCCCGGGATCTTCTTCTGCAGGAAGATGGGCACAGAGAGGTTGGAGGCAGGAGACGGGGCCCGAG  
 CCCCTGGGACAGCGCAGCCACCAAGGTGCACGGCGTTGCCCTTCTGGCTTGGGAAGAACCAAGGTTG  
 GAGCTTTGATGGAACACGAGAGGGCACCCAGACCAGGAGGACAGCACCAGGCTTGGCAGAAACGG  
 CGCTCTTCGGATGATGCAGGGCCTGGAGCCTGGAAGCCACCACCCCAAAAGCTCCAAGCCAAGCT  
 TCAGCGCATGCGCCGAGCAGAGGCCACGTGGCACATAGCTGAGGAGAGTGCCCCCAACCACAGCTGCCA  
 AAGCCCTAGCCAGCTTCCCAGGATGGAGAAGAGGAAAAGGACGAGCTTTATCCCAGAGAGAATGGTC  
 CCAGCTCGGAATGCCAAGCTACAGGAGCCCCCATAGGTCCACGTCCCCCTAAGCCAGTGGCTGTGCCCA  
 GGGGCCGTAGGGCCCCCAGGTGCCAGGAGGCAGAGAAGAGGCTGAGAGCAGCAGTGTGCCCCAGGAGC  
 CAACAAGCCCTGGCTGAGACTGGGCTCACAGCAAGACCAAGAGGAGCCAGAAGGACAAGTACCCTCTGAC  
 CTGGGCCGTGAAACAGCTCCCTGAAACCAAGAGAATCGGCGAGCACAGTCTGTGACAACTGGAAC  
 CTGATAGAAGACGGCCACCTGACCCTGCAGGTGTCTGTGAACCAGTGAACAGGAACAGACTGA

AGCGGACCGACGCTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-RsrII

**ACCN:**

NM\_001014138

**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>NM_001014138.2</u> , <u>NP_001014160.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq Size:</b>           | 4452 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq ORF:</b>            | 4125 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Locus ID:</b>              | 361041                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Cytogenetics:</b>          | 15p13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |