

## Product datasheet for **SC105886**

### RELL2 (BC009560) Human Untagged Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | RELL2 (BC009560) Human Untagged Clone  |
| Tag:                      | Tag Free   |
| Symbol:                   | RELL2  |
| Synonyms:                 | C5orf16  |
| Mammalian Cell Selection: | None   |
| Vector:                   | <u>pCMV6-XL5</u>   |
| E. coli Selection:        | Ampicillin (100 ug/mL)   |
| Fully Sequenced ORF:      | >NCBI ORF sequence for BC009560, the custom clone sequence may differ by one or more nucleotides |

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GGGCCGGTGAGGCGGCGAAGGGGGAGGGGAGGAATCAAGGGATGAGCGCCGGAAGGGCGTCGGGGGCCCT
GAGCCGCACTAGGACGCCCTGGAGCCGGAACCCAGCAGAAGCCGGAACCAAGCAAAATCACCCTGCG
AGCCCCCTAAACCCAGGAGGCGCCCTGGCCCGCTCGCCCCCAGGGCCTCATGTGCGAACACAGCCT
GACCTGGAACCGCCCAACATGGGCTATATATGCTCTTCTGCTTGTGCTGGTCTTCTTCTCATGGCC
TGGTAGGCTTCATGATCTGCCACGTGCTCAAGAAGAAGGGCTACCGCTGCCGCACGTGAGGGGCTCTGA
GCCTGACGATGCCAGCTTCAGCCCCCTGAGGACGATGACATGAATGAGGACACAGTAGAGAGGATTGTT
CGCTGCATCATCCAGAATGAAGCCAATGCTGAGGCCTTGAAGGAGATGCTGGGGACAGTGAAGGAGAAG
GGACAGTGACAGCTGTCCAGTGTGGATGCCACCTCCAGCCTGCAGGACGGAGCCCCCTCCCATCATCACAC
AGTGACACCTGGGCTCTGCAGCCCCCTTGATCCATTGCAGCCGAGCAAGAGGCCTCCACTTGTCCGTCAG
GGACGCTCCAAGGAAGGAAAAAGCCGCCCCCGGACAGGGGAGACCACTGTGTTCTCTGTGGGCAGGTTCC
GGGTGACACACATTGAGAAGCGCTATGGACTGCACGAACACCGTGATGGCTCCCCACAGACAGGAGCTG
GGGCTCTGGTGGGGACAGGACCCAGGGGGTGGTCAGGGGTCTGGGGGAGGGCAGCCCAAGGCAGGGATG
CCTGCCATGGAGAGGCTGCCCCCTGAGAGGCCACAGCCCCAGGTCTAGCCAGCCCCCAGTACAGAATG
GAGGACTCAGGGACAGCAGCCTAACCCCTCGTGCACTTGAAGGGAACCCAGAGCTTCTGCAGAGCCAAC
ACTGAGGGCCGGAGGGAGGGGCCAAGCCAGGGCTGCCACTCAAGAGGCAAAATGGGCAGCCAAGCAAA
CCAGACTTCTGATCACCAGGTGTCTTACCACAGGGAGCAGGGAGTATGTGAGTCTCCTTCATTGTGC
TGATGGACTACCAGCTGGCAGGGCCAGGGGGTGGGTGGGCGTAAAAGCCCTCCCCCTCCACTGGACAGCAC
TGCCCCCAGCTGAGGGACAGCTCTACTTCCACCTGGAGTTGCACAGTCTCAGGCTGGGGGCTCAGGA
GAGGTCACAGCCCCTCAGTCTTCTCCTTCCCCCTGCCTGCAACAGGCTGCCTGCCCGCCTTCCCCAAC
ACCTCGTCCATATGATAGAGCGTGGCAGCTGGGAGCAGGCCCTGCCCGTGGTGGGGCCCTAAAGCAAT
AGCACCGTAGGCCCTGCCCTTAGCACAAGAGGCCAGGCCCTGGCCTGGCCTTCGTGCCCTTATT
CATTGTCAATAAATCCGCTCAGACCATTAATAAAAAAAAAAAAAAAAAAAAAA
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|                                     |   |
|-------------------------------------|---|
| <b>5' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 5' read for BC009560 unedited<br/> TTCCAATTTTGTAAATACGACTCACTATAGGGCGGCCGCGAAATTCGCACGAGGCCCTGGC<br/> CCGCGCTCGCCCCCAGGGCCTCATGTCCGGAACCACAGCCTGACCTGGAACCGCCCCAAC<br/> ATGGGCTATATATGCTCTTCTGCTTGTGCTGGTCTTCTTCTCATGGGCTGGTAGGCT<br/> TCATGATCTGCCACGTGCTCAAGAAGAAGGGCTACCGTGCCGCACGTGAGGGGCTCTG<br/> AGCCTGACGATGCCAGCTTCAGCCCCCTGAGGACGATGACATGAATGAGGACACAGTAG<br/> AGAGATTGTTTCGCTGCATCCAGAATGAAGCCAATGCTGAGGCCTTGAAGGAGATGC<br/> TGGGGGACAGTGAAGGAGAAGGGACAGTGCAGCTGTCCAGTGTGGATGCCACCTCCAGCC<br/> TG CAGGACGAGCCCCCTCCCATCATCACACAGTGCACCTGGGCTCTGCAGCCCCCTTGA<br/> TCCATTGCAGCCGACGCAAGAGGCCTCCACTTGTCCGTACAGGACGCTCCAAGGAAGGAA<br/> AAAGCCGCCCCCGACAGGGGAGACCACTGTGTTCTGTGGGACAGTTCCGGGTGACAC<br/> ACATTGAGAAGCGCTATGGACTGCACGAACACCGTGATGGCTCCCCACAGACAGNGAGC<br/> TGGGCTCTGGTGGGGACAGGACCCANGGGTGGTCAGGGTCTGNNGGAGGGCAGCCCC<br/> AAGCAGGNATGCCTGCCATGNAGAAGCTGCCCCCTGAGAGCCACAGCCCCAGTCTTAGCC<br/> ACCCCCATACAGAATNAAGACTCAGGACAGCAGCCTAACCTCGTGCACTTGAAGGAAC<br/> CCCANAGCTCTGCAGAGCCACACTGAGGCGNAGGGAGGGCCCAAGCCCAGGNCTGCCCA<br/> CTCAGAGCAAATGGCANNACGAAACAGACACTCTGATCACAGA</p> |
| <b>3' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 3' read for BC009560 unedited<br/> NNCGTAAATCATGGACCGCGCCGAATCNAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTT<br/> TTTTTAATGGTCTGAGCGGATTTATTGACAATGAATAAAGGGCACGAAGGCCAGGCCAGG<br/> GCCTGGGCTCTTGTGCTAAGAGGGCAGGGGGCTACGGTCTATTGCTTTAGGGGCCCA<br/> CCACGGGCAGGGCCTGCTCCCAGCTGCCACGCTCTATCATATGGAGCGAGGTGTTGGGG<br/> AAGGCGGGCAGGCAGCCTGTTGCAGGCAGGGGAAGGAGAAGAGACTGAGGGGCTGTGAC<br/> CTCTCCTGAGGCCCCAGCCTGAGACTGTGCAACTCCAGGTGGAAGTAGAGCTGGTCCCT<br/> CAGCTGGGGGGCAGTGTGCTCCAGTGGAGGGGAGGGCTTTCACGCCACCCACCCCTGG<br/> CCCTGCCAGCTGGTAGTCCATCAGCACAATGAAGGAGACTCACATACTCCCTGCTCCCTG<br/> TGGTAGAGACACCTGGTATCAGAAGTGTCTGGTTTGGCTGGCCATTTGCCTTTG<br/> AGTGGGCAGCCCTGGGCTTGGGCCCTCCCTCCGGCCCTCAGTGTGGCTCTGCAGAAGC<br/> TCTGGGGTTCCCTTCAAGTGCACGAGGGTTAGGCTGCTGTCCCTGAGTCTCCATTCTG<br/> TACTGGGGGCTGGCTAGGACCTGGGGCTGTGGCCTTCTAAGGGGCAGCCTCTCCATGGC<br/> AGGCATCCCTGCCTTGGGGCTGGCCCTCCCCAAAACCTGGACACCCCTGGGTTCTGT<br/> CCCCAACCAAAACCCAGCTTCTGGCTTGTGGGGAAACCATCCCGGTGTTTCTGGCAG<br/> TCCCATACGGCTTTTCATAGTGTGGCACCCGAGAACCTGGCCCAAAAGGAACACACG<br/> GG</p>  |
| <b>Restriction Sites:</b>           | NotI-NotI   |
| <b>ACCN:</b>                        | BC009560  |
| <b>Insert Size:</b>                 | 1400 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>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).  |

**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:** [BC009560.1](#)

**RefSeq Size:** 1521 bp

**RefSeq ORF:** 1521 bp

**Locus ID:** 285613

**Cytogenetics:** 5q31.3

**Protein Families:** Transmembrane

**Gene Summary:** Induces activation of MAPK14/p38 cascade, when overexpressed (PubMed:28688764).  
Induces apoptosis, when overexpressed (PubMed:19969290).[UniProtKB/Swiss-Prot Function]