

## Product datasheet for SC104251

### C22orf29 (AK026924) Human Untagged Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | C22orf29 (AK026924) Human Untagged Clone |
| Tag:                      | Tag Free                                 |
| Symbol:                   | C22orf29                                 |
| Synonyms:                 | BOP                                      |
| Mammalian Cell Selection: | None                                     |
| Vector:                   | <u>pCMV6-XL6</u>                         |
| E. coli Selection:        | Ampicillin (100 ug/mL)                   |

**Fully Sequenced ORF:** >OriGene sequence for AK026924 edited  
 GAATTCGGCACGAGGGAGAAGTCCCTGGATGTCCTGGCCAGCCCCATGCTTCTGTGCCA  
 GGTACACAGCTGCCCTCCGTCGATGACTCAGGCCCATCCCCCTTTGTGGGTTGGGTC  
 AGACTGCTCCCTGATGCCTACCTCCAGTGCACTGTGGCCTGGCTACCTGTGGGTCTGGC  
 AGTAGAACCCAGAGTTGCTCTCTAGGATGGACAGCCTAGTCACCCAGCTGACCTTTACCC  
 TGTCCACAGGCTTCTGGACAGGCCACCTCCCATCTCCCTTTAGTGGACCTGAAGTGG  
 AACTCCAGCCTGGGATTGCTGCCTTCTTTTGAACCTGTCCTATTGGGGCTTTGGGG  
 CTTTTGTGCCCTTGGGACCCAGGCAGCTCCTGGGGGTGTGTGAGTTATGGTCTGCCGTGT  
 GTCTGAGGGCCAGTCATGCAGCATCCACCTAGGCAGGCTTGAGAGTCCTGGGAGAGTCC  
 AGGTGACCTGGTTTTAATTAACCGCGTCTGTTTATTGTGGTGGGCTCTGCCAGAA  
 AGGAAGGTAGGGCCTTGAAGTGGTATGTCAGGTTTCCTGCACAGGTAGGGTGGAGGCA  
 ACGATGGACTCTGGCATGGCCTTCCAGACAGGCAGTGCACACAGCTCCTTCAGAGTGGC  
 TTTGTTGCCAGCTGCTGCAGCACCTGCTTTCAGACAGATGATGACCAAGCTGCTTTCCTG  
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 GACCCGAAGGCAGGGTGTCTCAGGAGCTGCAGAGCCTGGCAGGGTTTGTGGACATGCTCA  
 GGGACGGGCCATGGTGTGGCTCTGCTTCTAATCATGGTGTGAGTCTTCACTTCCCTT  
 GGAAATACCCAGAGATTTTATTTCTGAAGATAGGACATGATGGGTGCTGTGAGATGGTA  
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 TGGGATATTGGAATATTTTATAAAGCCACAATAGTTAAAGCACTTAGATGTGGACAGATG  
 AGCAGAGAATAGAGGACTTTGAAACGGGCCAAAATAAATATGAAAATTTAGTACAGGCTAG  
 AGGTGTTTCCAATTAACGAGTAAAATGGATTATTCAGTAAAAGCAGTTGGCCCTCTGGAA  
 AATAGTAAAGCCATGTATGTGCCTCACTCTTATGCCAGTACATATCCAGATTAAGAT  
 TTCAATGTTACAATTATGAAAGTACTAGAGGAAAATATGGGTGAATTTTTTTTTTTTTT  
 TTTTTTGCCTATGATTCCAGGATTTTAAAAGTTTTAGATGCCAGAGTTGTGGAGGTATG  
 GAGAAGTGGACCTTCTCATACTGTTGGTGGGAATACACAATAATAATTTGACCACGTA  
 ACAATTCTAGGCACATGCATGCTGTGACTACTTGTAGGTGCATGAAGGCTCTTGCCAGG  
 GGTGGTCATGTTCCGGTACCCTACATGGGGTTTAGAGCAGGGACTGGAGGTTGGCCTT



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GCCTCCTCCCCTCCCCGCATGAGCTGAGGGTCCTTACCTGACCTTTTTGAGCTGTGACCA
GAGTTTTTCTCATGGGGTGGTTAGAAGGGTTGAATGAGAATGATGCCCATGCAGTGCCT
TGGCTGGGGTCTGGGCCCTCTAACACCCACCTCATGGGTGTCAGTGTTTTTTGAACAGCA
GAACTGGAAAAGCCAAAGATCCAGCAATAAAGGAGCAAGGCAAATAAAGCTGTTACCCT
GCAGGATCAGTCAGCATGAGCCAGATTGTGCTGCAGTAACAAAGATCTCCAACAGCGCAG
CGGTACAGTTGGCACTGCTTATTTCTTGCTTGCACCTGTGGGCCACCGTGGCTGGGGCC
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CCCTGAATTACCTCTTTAAAGACCCTGTCTTCAAATGTAAGTACTAGGGGTAGGACTTG
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TGCTGTGTGCAGAGTCCCCAGGCCCTGGGTTCTGGGGCCATACTGAGGAGTGGGGAT
GGCCAAGCCTTGGCTGTTGAGTAGGCAGTGCCAGTTGTGCTGTATGGGATGCTGTTTCT
CACTTAAGAAATCTTTCCCTACCTGGGGGTACAAAGGCATTATCCTGTATTTCCAGGTT
GTAACCTTCTGCCTTTGACATTAACCTTGAGTCCACCTGTAAGTGAAGTGAAGTGCAGG
GGGAGGGTCTGCTGTATCCTTGATAGCCTGTGATGAGCAGAGCCCTCTGCCGACCCG
GATGCACATGTAATATGAGCAAGAAATAAATTTTGGATGTGCGAAAAAAAAAAAAAAAAA
ACTCGAC
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**5' Read Nucleotide Sequence:**

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>OriGene 5' read for AK026924 unedited
GAATTCACCCGCCGATGNCGCATTGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAA
GCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCG
CGAATTCGGCACGAGGGAGAAGTCCCTGGATGTCCTGGCCAGCCCATGCTTCTGTGCC
AGGTCACAGCTGCCCTCCGTCCGATGACTCAGGCCCATCCCCCTTTTGTGGTTGGGT
CAGACTGCTCCCTGATGCCTACCTCCAGTGCAGTGTGGCCTGGCTCACCTGTGGGTCTGG
CAGTAGAACCCAGAGTTGCTCTCTAGGATGGACAGCCTAGTCAACCAGCTGACCTTTACC
CTGTCCCACAGGCTTCTGGACAGGCCACCTTCCCATCTCCCTTATGTTGACCTGAAGTG
GATACTCCAGCCTGGGATTGCTGCCTTCTTTTTGAACCTGTCTATTGGGGCTTTGGG
GCTTTTGTGCCCTTGGGACCCAGGCAGCTCCTGGGGGTGTGTGAGTTATGGTCTGCCGTG
TGTCTGAGGGCCAGTCATGCAGCATCCACTAGGCAGGCTTGAGAGTCTTGGGAGAGTC
CAGGTGACCTGGTTTTTAATTAACCGCTCCTGTTTATTGTGGTTGNGCTCTGCCAGA
AAGGAAGGTAGGGCCTTGAAGTGGTGTGTCAGGTTTCTGTCACAGGTAGGGTGGAGGC
AACGATGGACTCTGGCATGGCCTTCCAGACAGGCAGTGCACACAGCTCCTTTAGAGTGC
TNTGNTGCCAGCTGCTGCAGCACCTGCTTTCAGACAGATGATGACCAAAGCTGCTTCTG
CTGNNGGAANGNAGCATTCCCCTGNGNTGNTNNTCTCTTNTGCCCCCACTGNACAG
ACCCGAGGCAGGNTGCTCAGAGCTGCNAGCCTGGCAGGNTTC
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|-------------------------------------|---|
| <b>3' Read Nucleotide Sequence:</b> | >OriGene 3' read for AK026924 unedited<br>NNNGGGTATAGCTATGNACCGCGCCGATTCTAGGATCGAGTTTTTTTTTTTTTTTTTTTC<br>GCACATCAAAAATTTATTTCTTGCTCATATTACATGTGCATCGCGGTCGGCAGAGGGGCT<br>CTGCTCATCACAGGCTATCAAGGATGACAGCAGACCCCTCCCTTCTGCCGAGTTACT<br>TACAGGTGGACTCAAGGTTGAATGTCAAAGGCAGAAAGTTACAACCTGGGAATACAGGAT<br>AATGCCTTTGTACCCCCAGGTAGGGAAGATTTCTTAAGTGAGAAACAGCATCCCATAC<br>AGCACAACCTGGGCACTGCCTACTCAACAGCCAAGGCTTGGCCATCCCCACTCCTCAGTAT<br>GGGCCCCAGAACCAGGGCTGGGGGACTCTGCACACAGGCATGTGGAGACCACAGAAGC<br>CTGCCAATATAGCGCTGCCAGGAACAGCAAAGACAAAACAGAGAAGCCTATCGCGGGC<br>ACCGCTGTGGGCAGAACTATGTCCCTTCAATATTTTTATGTTCAAGTCCTAACCCCTAAT<br>ACTTACATTTGAAGACAGGGTCTTTAAAGAGGTAATTCACGGTTAAATGAGGTCATGAGG<br>GTGGGCCCTGATCCAATGACTAGTGAGCTTATGAGAGAATAGACCCCGACCCCGACGGGA<br>CACGGCAAGAAGATGGGCTTTTGCAGGCCAAGAGCGAGGCCTAAGGAGAACCAAACCTGC<br>CCACCCCTGATCTTAGCGTCTAGCTCCAAAAAATGAGGAATGGCTGGTGTAAATCCCCT<br>AACCTGGGGGCCTTTTGGAGGGAGCCCCACAAAAAAAACAGGGTGTGTCCCGGGAAG<br>GAAGGCGGCCCTTCCATTCCCCA |
| <b>Restriction Sites:</b>           | NotI-NotI   |
| <b>ACCN:</b>                        | AK026924  |
| <b>Insert Size:</b>                 | 3000 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).  |
| <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>                      | <a href="#">AK026924.1</a>  |
| <b>RefSeq Size:</b>                 | 2638 bp   |
| <b>RefSeq ORF:</b>                  | 2638 bp   |
| <b>Locus ID:</b>                    | 79680   |
| <b>Cytogenetics:</b>                | 22q11.21  |
| <b>Gene Summary:</b>                | Could induce apoptosis in a BH3 domain-dependent manner. The direct interaction network of Bcl-2 family members may play a key role in modulation RTL10/BOP intrinsic apoptotic signaling activity.[UniProtKB/Swiss-Prot Function]  |