

## Product datasheet for **SC116548**

### **BAP31 (BCAP31) (NM\_005745) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BAP31 (BCAP31) (NM_005745) Human Untagged Clone
Tag:	Tag Free
Symbol:	BAP31
Synonyms:	6C6-AG; BAP31; CDM; DDCH; DXS1357E
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116548 sequence for NM_005745 edited (data generated by NextGen Sequencing)

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ATGAGTCTGCAGTGGACTGCAGTTGCCACCTTCCTCTATGCGGAGGTCTTTGTTGTGTTG
CTTCTCTGCATTCCCTTCATTTCTCCTAAAAGATGGCAGAAGATTTCAAGTCCCGGCTG
GTGGAGTTGTTAGTGTCTATGGCAACACCTTCTTTGTGGTTCTCATTGTCATCCTTGTG
CTGTTGGTCATCGATGCCGTGCGCGAAATTCGGAAGTATGATGATGTGACGGAAAAGGTG
AACCTCCAGAACAATCCCGGGGCCATGGAGCACTTCCACATGAAGCTTTTCCGTGCCAG
AGGAATCTCTACATTGCTGGCTTTTCTTGCTGCTGTCTTCTGCTTAGACGCCTGGTG
ACTCTCATTTTCGAGCAGGCCACGCTGCTGGCCTCCAATGAAGCCTTTAAAAAGCAGGCC
GAGAGTGTAGTGAGGCGCCAAGAAGTACATGGAGGAGAATGACCAGCTCAAGAAGGGA
GCTGCTGTTGACGGAGGCAAGTTGGATGTCGGGAATGCTGAGGTGAAGTTGGAGGAAGAG
AACAGGAGCCTGAAGGCTGACCTGCAGAAGCTAAAGGACGAGCTGGCCAGCACTAAGCAA
AANNNNNAGAAAGCTGAAAACCAGGTTCTGGCCATGCGGAAGCAGTCTGAGGGCCTCACC
AAGGAGTACGACCGCTTGTGGAGGAGCACGCAAAGCTGCAGGCTGCAGTAGATGGTCCC
ATGGACAAGAAGGAAGAGTAA
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Clone variation with respect to NM\_005745.7  
603 a=>n;604 c=>n;605 t=>n;606 a=>n;607 g=>n



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_005745 unedited</p> <pre> ACCGGTTTAGAAACCGCACTATGGGAGGCGGAAAAACAATTTCGCACGAGGGCGGGGCCGG TGCTGCTGTGGGAGAGTTCGGTTGCTGCGGGCGGGCCTGCACGTTGACTGTGGGAAACTC GGAAACAAGCTCACATCTTCTGTGGGAAACCTTCTAGCAACAGGATGAGTCTGCAGTGG ACTGCAGTTGCCACCTTCTCTATGCGGATGNCTTTGTTGTGTTGCTTCTCTGCATTCCC TTCATTTCTCCTAAAAGATGGCAGAAGATTTTCAAGTCCCGGCTGGTGGAGTTGTTAGTG TCCTATGGCAACACCTTCTTTGTGTTCTCATTGTCATCCTTGTGCTGTTGGTCATCGAT GCCGTGCGCGAAAATTCGGAAGTATGATGATGTGACGCGAAAAGGTGAACCTCCAGAACAAT CCCGGGGCCATGGAGCACTTCCACATGAAGCTTTTCCGTGCCAGAGGAATCTCTACATT GCTGGCTTTTCTTGCTGCTGCTTCTGCTTAGACGCCTGGTACTCTCATTTCGCAG CAGGCCACGCTGCTGGCCTCCAATGAAGCCTTTAAAAGCANGCGGAGAGTGTAGTGAG GCGGCCAAGAAGTACATGGAGGAGAATGACCAGCTCAAGAAGGGAAGTGTGTTGACGGA GGCAAGTTGGATGTCGGGAATGCTGAGGTGAAGTTGGAGGAAAAGAACAGGAGCTTGAAG GCTGACCTGGAGAACTAAAGGACGAGCTGGCCAGCATTAAACAAAGAAACCTGAAACCC CGTTTCTGGCCTTGCAGAACAGTCTTAGGGCCTACCCAGGGAATCGACCCCTTGGTTGGA GAACACGCAAAGCTGCGGCTGCCATATATGGCCCTGGACAAAAGGAAAATAAGGGCCTC TTCTCCCTGGCTGAAATGGCTTCCCCTGGCAATGCCTGTTT </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_005745 unedited</p> <pre> GAACCGCGGGCCCAATCTAAAGTCGAGTTTTTTTTTTTTTTTTTTTACACACCATGACA ACTTTTATTGCCCTCAAGAAAACTCCAGTCCACCTGCTCCACCCACCCTCCTGCGGGAC CAAAGAAAACACCAGAGGGCAAACAAAAAGGGGCTCAAACCAACAGGAAGTCAGCCCC ACCGCAAGCCGGACTACAATACTCGTCTCTCCACGCTCAGGGCTGGAAGCCAAGGCT GTGCCAGGCTGCGCCAGGCAAGCAGGATGACAGCAAACGCAATTCTGAACGTGTAGCAAT CAGGTCGCCCTGTAATGTGCTTGGAGAGTGTGGACAAGGGCCGAGATGACGAGCTATGAGC TGTGGAAGGGAATGGGGGAAGCAGAAGGGCACAACAGAAGTACTGGAGGGAGAGGCCGG GCTCTCAGGAAGCAGCAGGCACGTGCCAGGTGGAAGCCAGCTGCAGGCAGGGGAGGAAGG AGGCCCTTACTCTTCTTCTTGTCCATGGGACCATCTACTGCAGCCTGCAGCTTTGCGTG CTCCTCCAGCAAGCGGTCTGACTCCTTGGTGAGGCCCTCAGACTGCTTCCGCATGGCCAG AACCTGGTTTTTCAGCTTCTTTTGTGTTAGTGTGCGCCAGCTCGTCCTTTAGCTTCTGCAG GTCAGCCTTCAGGCTCCTGTTCTTCTTCCCACTTACCTCAGCATTCCCGACATCCAA CTTGCCTCCGTCAACAGCAGCTCCCTTCTGAGCTGGTCAATTCTCTCCATGTACTTNTCT GGCCGNCTCACTAGCACTCTCCGCCTGCTNTTTAAAGGGCTCATTNGNAGCCANCANCCT GGCCTGTGCGAATGAGAGTCAACAGGCTTAGCAGGAAGGACAGCACAGGAAAAGCCAC ATGTAAGATTCTTGGCACGGAAGCTNATGTGAATTGCT </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_005745
<b>Insert Size:</b>	1390 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="#">NM_005745.6</a> , <a href="#">NP_005736.3</a>
<b>RefSeq Size:</b>	1324 bp
<b>RefSeq ORF:</b>	741 bp
<b>Locus ID:</b>	10134
<b>UniProt ID:</b>	<a href="#">P51572</a>
<b>Cytogenetics:</b>	Xq28
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	<p>This gene encodes a member of the B-cell receptor associated protein 31 superfamily. The encoded protein is a multi-pass transmembrane protein of the endoplasmic reticulum that is involved in the anterograde transport of membrane proteins from the endoplasmic reticulum to the Golgi and in caspase 8-mediated apoptosis. Microdeletions in this gene are associated with contiguous ABCD1/DXS1375E deletion syndrome (CADD5), a neonatal disorder. Alternative splicing of this gene results in multiple transcript variants. Two related pseudogenes have been identified on chromosome 16. [provided by RefSeq, Jan 2012]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and uses a downstream in-frame start codon, compared to variant 1. The encoded isoform (b) is shorter at the N-terminus, compared to isoform a. Variants 2, 3 and 4 all encode isoform b.</p>