

## Product datasheet for **SC325756**

### **BAP31 (BCAP31) (NM\_001139457) Human Untagged Clone**

#### Product data:

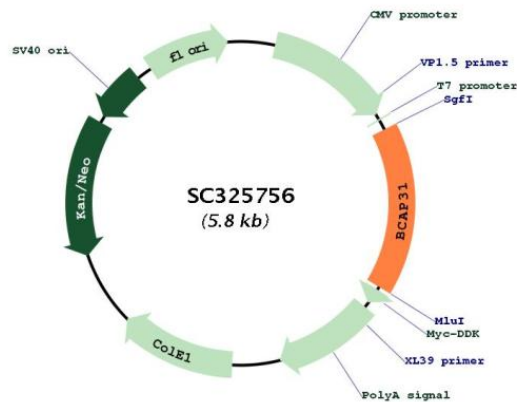
Product Type:	Expression Plasmids
Product Name:	BAP31 (BCAP31) (NM_001139457) Human Untagged Clone
Tag:	Tag Free
Symbol:	BCAP31
Synonyms:	6C6-AG; BAP31; CDM; DDCH; DXS1357E
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325756 representing NM_001139457. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGTGCCGAGGCGTCCTCCTCTGGTGCCCTGGCACTGCTCTTCCCGAAGAACGCCTTTCAGTTAAA
CGGGCGTCGGAATCTCGGGCTTCTGGGGCAGGGATCGTCGGGAGAGGCCGCTCTGGACGTGTTGACA
CACGTGCTGGAGGGGGCAGGAAACAAGCTCACATCTTCTGTGGGAAACCTTCTAGCAACAGGATGAGT
CTGCAGTGGACTGCAGTTGCCACCTTCTCTATGCGGAGGTCTTGTGTGTTGCTTCTCTGCATTCCC
TTCATTTCTCCTAAAAGATGGCAGAAGATTTCAAGTCCCGGCTGGTGGAGTTGTTAGTGCCTATGGC
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CGCCTGGTGACTCTCATTTCGCAGCAGGCCACGCTGCTGGCCTCCAATGAAGCCTTTAAAAGCAGGGC
GAGAGTGTAGTGGAGCGCCAAAGAAGTACATGGAGGAGAATGACCAGCTCAAGAAGGGAGCTGCTGTT
GACGGAGGCAAGTTGGATGTCGGGAATGCTGAGGTGAAGTTGGAGGAAGAGAACAGGAGCCTGAAGGCT
GACCTGCAGAAGCTAAAGGACGAGCTGGCCAGCACTAAGCAAAAAGCTAGAGAAAGCTGAAAACAGGTT
CTGGCCATGCGGAAGCAGTCTGAGGGCTCACCAAGGAGTACGACCGCTTGTGGAGGAGCACGCAAA
CTGCAGGCTGCAGTAGATGGTCCCATGGACAAGAAGGAAGAGTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001139457

**Insert Size:** 942 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**Components:** 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:** [NM\\_001139457.2](#)

**RefSeq Size:** 1828 bp

**RefSeq ORF:** 942 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>MW:</b>	34.8 kDa
<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 (1) represents the longest transcript and encodes the longer isoform (a).</p>