

## Product datasheet for **SC206279**

### Bestrophin (BEST1) (NM\_001139443) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Bestrophin (BEST1) (NM_001139443) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	BEST1
Synonyms:	ARB; BEST; Best1V1Delta2; BMD; RP50; TU15B; VMD2
ACCN:	NM_001139443
Insert Size:	2000 bp



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**Insert Sequence:**

>SC206279 3'UTR clone of NM\_001139443

The sequence shown below is from the reference sequence of NM\_001139443. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GACTTCTTGGGACCAGGTGAAGGAAGATGAGGTTGTGCTGACCAGAATGCTGCTGGAGAAGTGCCTCAG
GGCTGACAGGCCAGGCTTAGCTGAGCAGATGTTATCACTGGCCCCAACTTACTTTGAGCAAGGGTGGCT
GACCCAAAACCATGAGGTGGCAGTCAGCTGGATGACAGATGAACACTTCCCCATAACTATTTAGGGTA
GTACCCAAGCACTACAGGAAAGGGTGGCAGGAAGTGCCTCACTCCTAGGAACTGGTAGATGGTGAGGTT
GAGGGTGTCCAGCGCCCTTAGGTCATTTTCTCACTGCCTGGGAACCTCACAAAATACTTCTTGCTTCC
TTGGGGTCAGCCAAAGCTGTCAAAAATCAGATATTTCCCTTTATTCCAGATTTCTGGACACTTTCA
CCCAATTATAAACACCCCACTTCCAGCCCAATCACGTGGGAGGAAGTGAACCTCCCTTTCTGGATTC
TCAAGCAGTTACTTTACGGTCAGAACACGCAGCTATTATGATTGAAAACCTAAAAGGGCAACAATTC
AGTCTTGCTTCTAGGGCTAGACAGGAAGTGGCAACATCTGTGCCTGTTACAGCAAAGGATGTTAATA
TTAAGAATCTTGTCTTGGGCTGGGTGTGGAGGCAAGTGGATCACAGGAGGTCAGGAGTTTGAGACCAA
CCTGGCCAACATGATGAAACCCCATCTCTACCAAAAAAATACAAATCAGCTGGGCGTCTGGTGTGCC
TGTAGTCCCAACGCAGGAGGTTGAGGGGAGAATTGCTTGAACCCAGGAGGTGGTGGTTGCAGTGAGATT
GAGCAACTGCAATCCAGCCTGGGCGACGGAGTGAGACTGTCTCAAAAAAAAAAAAAAAAAAGGATCGTCTC
AACCTTTGCCCTCTACTGCAACATTTTGGTATTTGAAATGAAGGGACCTCCATACTTATGCTGTAA
TACTTTTACTTCACTAGGGATGAAGCACATTCCTAACCTGCTTCTCCTAATGGGGATGCTTCGCCAGCCA
GGTCTCACCTGTGTGTACACCAGCAGGACACTGATCCAGTCACAGCCATACAGCTGCCACACTGAAG
AACATGTCTACAAACAGCCTGAATCAAATGGTTAGCTTAATAGATAAAAAATCCAGACTACTTCAGCCT
TTAATGCCTTTTATTCATAAAAACTGTGAAAGCTAGACTGAACCTTGGAAACATTTAACTCAGACTCT
GGATTCAGAGTCGGGAACCCCTTAGTTCTATCTGAATCCAAGACAGCCACACCTTAGTATACTGCCAAA
CTAATGAGTTTAAATAAATACTCGTTTCTTTTGGATTAGTGTGATTAGAAGTGAACAACGGCAC
TTAAGGAATCTGGAAGATAGCCTGGATAGATTTCTGATTCATCCCAAGACCTCAAAGACAACACCTGGG
TACCAATTTCTTTATTTGAAGGAATGGTACAAATCAAAGAACTTAAGTGGATGTTTTGGTACAACCTTA
TAGAAAAGGTAAGGAAACCCCAACATGCATGCACTGCCTTGGTGACCAGGGAAGTACCCACGGCTA
TGGGAAATTAGCCGAGGCTTAGCTTTTATTACTGTCTCCAGGGTGTGCTTGTCAAAGAGATAT
TCCGCCAAGCCAGATTCCGGCGCTCCCATCTTGCAGCAAGTTGGTACAGTGGTACCCAATTCCTTTGATG
GCTTTCACCTGCTCATTAGGTAATGTGTCTCAATGAAGTCACACAACCTGCAAAAACATGGGGAAGACA
GTTAGTGGGACGCTTTCCAATCCCTAAGGCAATGATTTCTCCATTTATTTCTGGGGTTCCAATAC
TCACATGGGGGTCATTTTGTGAGTGGCCAGTTTGTGAGTCCAGTAGTGACTGATTCACATTTTTTT
CCAAATGTAATGCACACTCCATTGCATTGAGCCCGCTCTCCAGTCATCACAGTCTGTTTCTGAATG
ACGCGTAAAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
    
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**Restriction Sites:**

Sgfl-Mlul

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:**

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:**

[NM\\_001139443.2](#)

**Summary:**

This gene encodes a member of the bestrophin gene family. This small gene family is characterized by proteins with a highly conserved N-terminus with four to six transmembrane domains. Bestrophins may form chloride ion channels or may regulate voltage-gated L-type calcium-ion channels. Bestrophins are generally believed to form calcium-activated chloride-ion channels in epithelial cells but they have also been shown to be highly permeable to bicarbonate ion transport in retinal tissue. Mutations in this gene are responsible for juvenile-onset vitelliform macular dystrophy (VMD2), also known as Best macular dystrophy, in addition to adult-onset vitelliform macular dystrophy (AVMD) and other retinopathies. Alternative splicing results in multiple variants encoding distinct isoforms. [provided by RefSeq, Nov 2008]

**Locus ID:**

7439

**MW:**

75.1