

Product datasheet for **SC204730**

Bestrophin (BEST1) (NM_004183) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Bestrophin (BEST1) (NM_004183) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: BEST1
Synonyms: ARB; BEST; Best1V1Delta2; BMD; RP50; TU15B; VMD2
ACCN: NM_004183
Insert Size: 369 bp
Insert Sequence: >SC204730 3'UTR clone of NM_004183

The sequence shown below is from the reference sequence of NM_004183. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TTGGAAAACAGGGATGAAGCACATTCCTAACCTGCTTCTAATGGGGATGCTTCGCCAGCCAGGTCCTC
ACCTGTGTGTACACCAGCAGGACACTGATCCAGTCACAGCCATACAGCTGTCCACACTGAAGAACATGT
CCTACAACAGCCTGAATCAAATGGTTAGCTTAATAGATAAAAATCCCAGACTACTTCAGCCTTTAATGC
CTTTTATTCATAAAAACTGTGAAAGCTAGACTGAACCATTGAAAACATTTAACTCAGACTCTGGATTCA
GAGTCGGGAACCCCTTAGTTCTATCTGAATCCAAGACAGCCACACCTTAGTATACTGCCCAAATAATGA
GTTTAATAAATACAAATACTCGTT
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

Restriction Sites: SgfI-MluI

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_004183.4](#)



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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:

14