

## Product datasheet for **SC213891**

### Bestrophin 3 (BEST3) (NM\_152439) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Bestrophin 3 (BEST3) (NM_152439) Human 3' UTR Clone
Symbol:	Bestrophin 3
Synonyms:	VMD2L3
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_152439
Insert Size:	1328 bp



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**Insert Sequence:** >SC213891 3'UTR clone of NM\_152439  
 The sequence shown below is from the reference sequence of NM\_152439. 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
AACAAAGGAAACTGAGGAATCACCCAAATGAGTGCCACCAAGTTCTAGGACCTGGTCTAGCCTAGATTC
TTACCTCCCAAAAAGCAGCATATTAGGCCCAGGACATACCTGAAGGCTGGTTCGACTTTTTAAAAACAT
GATCACACTGTATAAGCTACTTAGAACTTTGAAGGGCATTATGATCCTGACTTTTTGAGAGCTGCGAAA
AATCAAACGCATTACGTCATCCAACACAACATGGCTTTCATCAGAAGTTACACAGACCACAGTGATTT
AGCCAAAATAAGTCTTAACCAAAAAAAGGAATCTGAAAAACATACATGACTTATAAATTCATAGATTATT
AGTTGTGGAAAGAGTCTCATAGATCATAGTCCAATCCCCTAGACCCAAAGGCCAGACACGCAGGGTTC
TCTATTTCTCTTTTTCTTTCTTTCTTTCTTTAGCCATAAAGAAAGGAGATGGATCACCTAATG
CCTGAAAGATCCCCTCCTCCTAACGTTTTTGTGGAGGCTTCTAACCATCTCATTCTACTTTTATA
ACTATTATTGTTATTATCACTTCTGATTCTTAAGCTTCATCAGCACCAGAACACTTAATTTCTCTCAA
TTTCCTTTTTTACTTTTTCTCTTTTTCTTTTATTCTGTCATCCTTTTTTCCCTTCCCTTCTCCCTGG
TTGTGCTGCTTTTCTAGTAATCTGTCCCATTTTTCAGGTTATAATATTTCTCTTGCCAAATCTGTTGC
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AACAAATCCAGCCTGATACCCCTCCAGTCTCACTTCCAGTGGAAGGCATATAGGAGTGATGGTCCCCC
CGTGCCCTTGAGCCATTGACATTTCTTCTGCTTCCACTATTTGGTGTGGGCACTGGAGAAAAACGA
AGCCAAGAGAATGAAATTTGCATAGCCAAATGCTATGGAACCAAGAATAAGATGACTCACATCTGT
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TGCCTTACGACTGCTGCACTTACCATTTGCATATGATGGCACTTACTACATATGGCTTTAGAAATAA
AATAACCCTCAAACCTA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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**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\\_152439.4](#)

**Summary:** BEST3 belongs to the bestrophin family of anion channels, which includes BEST1 (MIM 607854), the gene mutant in vitelliform macular dystrophy (VMD; MIM 153700), and 2 other BEST1-like genes, BEST2 (MIM 607335) and BEST4 (MIM 607336). Bestrophins are transmembrane (TM) proteins that share a homology region containing a high content of aromatic residues, including an invariant arg-phe-pro (RFP) motif. The bestrophin genes share a conserved gene structure, with almost identical sizes of the 8 RFP-TM domain-encoding exons and highly conserved exon-intron boundaries. Each of the 4 bestrophin genes has a unique 3-prime end of variable length (Stohr et al., 2002 [PubMed 12032738]; Tsunenari et al., 2003 [PubMed 12907679]).[supplied by OMIM, Mar 2008]

**Locus ID:** 144453

**MW:** 50.2