

Product datasheet for **SC317855**

Bestrophin 2 (BEST2) (NM_017682) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bestrophin 2 (BEST2) (NM_017682) Human Untagged Clone
Tag:	Tag Free
Symbol:	BEST2
Synonyms:	VMD2L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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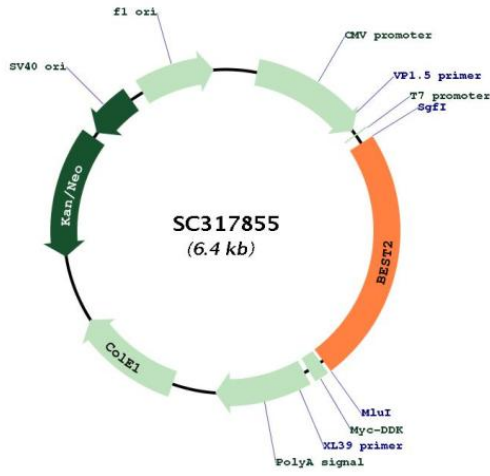
Fully Sequenced ORF: >SC317855 representing NM_017682.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACCGTCACCTACACAGCCGAGTGGCGAACGCCCGCTTCGGTGGCTTCTCCAGCTGCTGCTACTG
TGGCGTGGGAGCATCTACAACTCTGTGGCGAGAGCTGCTCTGCTTCCCTGGTTCACATGGCGCTG
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_017682

Insert Size:	1530 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:	<ol style="list-style-type: none">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_017682.2
RefSeq Size:	1924 bp
RefSeq ORF:	1530 bp
Locus ID:	54831
UniProt ID:	Q8NFU1
Cytogenetics:	19p13.13
Protein Families:	Transmembrane
MW:	57.1 kDa
Gene Summary:	This gene is a member of the bestrophin gene family of anion channels. Bestrophin genes share a similar gene structure with highly conserved exon-intron boundaries, but with distinct 3' ends. Bestrophins are transmembrane proteins that contain a homologous region rich in aromatic residues, including an invariant arg-phe-pro motif. Mutation in one of the family members (bestrophin 1) is associated with vitelliform macular dystrophy. The bestrophin 2 gene is mainly expressed in the retinal pigment epithelium and colon. [provided by RefSeq, Jul 2008]