

## Product datasheet for **SC310350**

### **BEST4 (NM\_153274) Human Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** BEST4 (NM\_153274) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** BEST4  
**Synonyms:** VMD2L2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Neo  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_153274 edited  
 CAGCCCTGGGGCAACTCTGTGACCTCCTGCCCCAGGCTCCCAGACCATGACGGTTTC  
 ATACACTCTCAAAGTGGCGGAGGCCCGCTTCGGAGGTTTCTCTGGCCTGCTTCTCCGCTG  
 GAGGGGAAGCATCTACAAGCTCCTCTACAAGGAATTCCTCCTCTTTGGGGCCTTGTACGC  
 TGTGCTTAGCATCACCTACCGGCTGCTGCTGACCCAGGAGCAGAGGTACGTGTATGCTCA  
 GGTGGCCCGTACTGCAACCGCTCAGCAGACCTCATTCCCTTGTCTTTGATTGGGTTT  
 CTATGTGACTCTCGTGGTGAACCGCTGGTGGTCCAGTACACAAGCATCCCCTGCCAGA  
 CCAGCTGATGTGCGTCATCTCGGCTAGCGTGCACGGCGTGGACCAGCGGGGCCGCTGCT  
 GCGCCGACCCCTCATCCGCTACGCGAACCTGGCGTCCGTGCTGGTGTGCGCTCGGTGAG  
 CACCCCGCTGCTTAAGCGCTTCCCCACCATGGAGCACGTGGTGGATGCAGTTTCATGTC  
 CCAGGAAGAGAGGAAAAAGTTTGAAGCCTGAAATCCGACTTCAACAAGTACTGGGTCCC  
 CTGCGTCTGGTTACCAACTGGCGGCCAGGCCCGGAGGGACGGCGAATACGTGACGA  
 TATCGCTCTGTCTACTTTTGAAGAGCTGAACAAGTACCGAGCCAAGTGCAGCATGCT  
 ATTCCACTATGACTGGATCAGCATCCCCCTCGTCTACACCAAGTGGTGACCATAGCCGT  
 CTACTCTTTCTTGGCCCTCTCCCTGGTTGGCCGCCAGTTTGTGGAGCCAGAGGCAGGGGC  
 TGCCAAACCTCAGAAGCTTCTGAAGCCAGGCCAGGAGCCAGCCCCAGCCCTGGGAGACC  
 GGACATGTACGTGCCTCTCACCCTCTGCTGCAGTTCTTCTTCTATGCTGGCTGGCTCAA  
 GGTGGCTGAACAGATCATCAACCATTTGGTGAGGATGATGACGACTTTGAGACAATCA  
 GCTCATAGACCGCAACTTGCAGGTGTCCCTGCTATCCGTGGACGAAATGTACCAGAACCT  
 TCCCCCGCTGAGAAGGACCAGTACTGGGATGAGGACCAGCCGACGCCACCTACACTGT  
 GGCCACGGCGGCCGAGTCTCTGCGGCCCTCATTCTGGGCTCCACCTTCAACCTGCGCAT  
 GAGCGACGACCCTGAGCAGAGCCTGCAGGTGGAGGCGTCCCCGGATCTGGTTCGGCCCGC  
 GCCCGCCGCGCAGACCCCGTTGCTCGGCCGCTTCTGGGCGTAGGGGCGCCCTCCCCGGC  
 CATCAGCTCCGGAACCTCGGCCGCTGCGAGGCACCCCCGCCCCCGCATCTGCTGCG  
 CTTCCGGGCGGAGGAGGGCGGCCACCCGAGGCCGAGCCCGCATCGAGGAGGAATCGGC  
 GGAGTCCGGGGACGAGGCCCTGGAGCCCTGAGGTCTCGCCTGCCCGCCCGGTTTCCCC  
 CACCCACTGCCCTCCTTCCCTC



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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_153274
<b>Insert Size:</b>	1500 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_153274.1.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_153274.1</a> , <a href="#">NP_695006.1</a>
<b>RefSeq Size:</b>	2045 bp
<b>RefSeq ORF:</b>	1422 bp
<b>Locus ID:</b>	266675
<b>UniProt ID:</b>	<a href="#">Q8NFU0</a>
<b>Cytogenetics:</b>	1p34.1
<b>Protein Families:</b>	Ion Channels: Other, Transmembrane
<b>Gene Summary:</b>	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 4 gene is predominantly expressed in the colon. [provided by RefSeq, Jul 2008]