

## Product datasheet for **SC100637**

### **BEND6 (NM\_152731) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BEND6 (NM_152731) Human Untagged Clone
Tag:	Tag Free
Symbol:	BEND6
Synonyms:	C6orf65
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_152731, the custom clone sequence may differ by one or more nucleotides

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ATGCAGAAGATCGTGCAGACAGATGAAATTACCAATACACAAGCTTTTAGAAAAGGAAAGAGGAAAAGAA  
CAGAGACAATGGACTCAGAAAATGCAAATAGTGACATGGATAAAGGACAGAGAGACCCATATTCGGGAAA  
TGCCTTCTGCCTGGTGAAGCTCCAGTGAGGATGAAGAGCCTTAGCAGAATTGTCAAAGGAAGAATTG  
TGCGCCAAAATAAAAAGCCTGAAAGAAAACAAACACCCGGAAAAGAAAACAGCCGACTTCGACAGT  
CTTTGGTCATGCTTCAAGTGTTACCACAAGCAGTCACCCAGTTTGAAGAATTGGTTGGTATGGCCGAGGC  
TCTGCTTAAGGGTGGGGAAACCATGTCTACATCTGCATCCACCCTCTGGAGAGCAACAAACAACTCCTCG  
CCAGATTCATTTGCCTCAACATGCAGTAATTCTAATTCTAACTCCAGTTCACCAGTTTCCTTAAAGCCTG  
AGGAAGAGCATCAGACTGATGAGAAACAGTTCAGATTGAAAAATGGCAGATTGCCCGTTGTAACAAGAG  
CAAGCCTCAGAAGTTTATTAATGATTTAATGCAAGTACTTTACACAAATGAATACATGGCCACTCACAGC  
CTGACAGGGGCAAAATCCTCTACTTCAAGGGACAAAGCTGTAACCAGCTATGAATCAGAATGAAGTCC  
AAGAAATCATAGGAGTAACAAAACAATTATTTCCAATACGGATGATGTTTCAATTAGGAGAATGATAGG  
GCAAAAAGCTAAACAACGTACCAAGAAGCCAAATTTAAGCAAAAATCTAACTCTCAGGATATTAATAG
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_152731 unedited</p> <pre>GTCAGAATTTGTAATACGACTCACTATAGGGCGGCCGCGNAATTCGCACGAGGGCCGCC GCCAGTCCGCGCCGTCCGCGGGTGCATTGGCCGGTGCCTCTAGCTTCCCGGACACCCGG AGCTTCCGCCTATCCAGCCTCCCTCGGCCAAATGCTGCGGAGCCCGTCGTCAGGGGGCG CCAAGGAGCCAGNGGGAAAAACCAAGAGGCGCTGACAGGAGCCTCCCGCGGTGCTACCC TCCACCTCCCACCTCCCTGCGCCCCGCCGAGGTTGGGGCTTTGAAGAATGCAGCCGGG GAAAGCATTAACTTTTGGCTACGTCCAGAATAGCATCATCTTCATGGGTATTCCTACT CCTAGGATTTTCAGAAAACCTTTGATAACTAATTGAGAAAATGCAGAAGATCGTGCAGACA GATGAAATTACCAATACACAAGCTTTTAAAAAGGAAAGAGGAAAAAGAACAGAGACAATG GACTCAGAAAAATGCAATAGTGACATGGATAAAGGACAGAGAGACCCATATTCGGGAAAT GCCTTTCTGCCTGGTAAAGCTCCAGTGAGGATGAAGAGCCTTTAGCAGAATTGTCAAAG GAAGAATTGTGCCCAAATAAAAAAGCCTGTAAGAAAACTAACAAACACCCGAAAGAA AACAGNCGACTTCGACAGTCTTTGGTCATGCTTCAAGGAAACAACTAGATATAACAACA GAGAAGACCATTTACATGGAGGCACTGAACTTTGAATGTTGTACCACAAGCAGTCAC CCAGTTTAAAAAATTGTTTGGTATGGCCGAAGCTCTGCTTTAGGGTGGGGAAACCATGTT TACATNTGGTTCCACCTCTGGAGAGCACAAACACTTCTGCCAGAATCATTGCCTCACAT GCAGGATNCTTATTTTACTCCAGTTACAGTTCTTTAGCCCGGAAAGCTTNTATGTTGAA ACAGT</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_152731 unedited</p> <pre>AACTGTGGACCGCGCCGCTTCTAGNATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTTTTTTGAAGTAATTTTATTTACCTTTAGTAGGCAAAACTT ACATTATCAAGTAGCATTTTTAAATAAGCAAATAGCATACCTCTTAGTAAGATTATCCTT TCTCAATAAAAAATTAATGATTTACTTTCTGGACGTTGGCTATATATCCCACATAG CATGGGTCTTTACAAGAAAAATGAGTCAGAGCTACCTAGTCAAATCGTAATGGGAATGCC TTAATGGGTGAGTAAAAAGCTATCAGCCTAAAAAAAATATTTCCCTAATTTTTATGCC TTAATAAGAAACAGAAAAATAAGTTTTATCTTTAAATGGGATTTATTTATGTTTACCT AAAGGGAGCAAATGGTACATAAGTTGGTTCCTTAAAGAACATTTATTTGGACCATCACCT TGGTATCAAGCCAGACTTATGAAAAATTTCTGGGGCCACAACACTGAACTTTGAAACTA CTGGGACATCCTCTTTCCAGTTTAAACATGACTTTGTGCACTGAAGAAGTATGGCTTCG CATTGCACAGTGGTCACATGTGACAACCTGACACCCAGCAGAGCCTTTTGGATGAAGAA TGGTTTATCTTTTGGTGAGGTACAAAAAGTACTTTTCATGTGTGGGAGTATCAAACCCAT ATTTTTTTTTCAGTTCATTCTGGTACCCATAAAATTAACCAGGTAACCTTAGCCGTTTA GCAATGTATCCACCAACATCCTTCCAGGGTAAATCTATATCCCAAGTGGTAAGGGAAAT GGAAGCTTAAATTACCAACCGGATTTAAATACCTTGGGGCCATTCAAAGGTAGAAACT TGTTTGGTAAATAAACAACCAAAAGATTTCTGGGAATAGAGGCTTTGGT</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_152731
<b>Insert Size:</b>	3000 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>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_152731.1</a> , <a href="#">NP_689944.1</a>
<b>RefSeq Size:</b>	2727 bp
<b>RefSeq ORF:</b>	2727 bp
<b>Locus ID:</b>	221336
<b>UniProt ID:</b>	<a href="#">Q5SZJ8</a>
<b>Cytogenetics:</b>	6p12.1
<b>Gene Summary:</b>	<p>Acts as a corepressor of recombining binding protein suppressor hairless (RBPJ) and inhibits Notch signaling in neural stem cells, thereby opposing their self-renewal and promoting neurogenesis (PubMed:23571214).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>