

## Product datasheet for **RG224260**

### **BEND6 (NM\_152731) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BEND6 (NM_152731) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BEND6
Synonyms:	C6orf65
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG224260 representing NM_152731 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGAAGATCGTGCAGACAGATGAAATTACCAATACACAAGCTTTAGAAAAGGAAAGAGGAAAAGAA  
CAGAGACAATGGACTCAGAAAATGCAAATAGTGACATGGATAAAGGACAGAGAGACCCATATTCGGGAAA  
TGCCTTCTGCCTGGTGAAAGCTCCAGTGAGGATGAAGAGCCTTAGCAGAATTGTCAAAGGAAGAATTG  
TGCGCCAAAATAAAAAGCCTGAAAGAAAATAACAAACACCCGAAAGAAAACAGCCGACTTCGACAGT  
CTTTGGTCATGCTCAAGTGTTACCACAAGCAGTCACCCAGTTTGAAGAATTGGTTGGTATGGCCGAGGC  
TCTGCTTAAGGGTGGGGGAACCATGTCTACATCTGCATCCACCCTCTGGAGAGCAACAAACAACTCCTCG  
CCAGATTCATTTGCCTCAACATGCAGTAATTCTAATTCTAACTCCAGTTCACCAAGTTTCCTTAAAGCCTG  
AGGAAGAGCATCAGACTGATGAGAAACAGTTCAGATTGAAAAATGGCAGATTGCCGTTGTAACAAGAG  
CAAGCCTCAGAAGTTTATTAATGATTTAATGCAAGTACTTTACACAAATGAATACATGGCCACTCACAGC  
CTGACAGGGGCAAAATCCTCTACTTCAAGGGACAAAGCTGTAACCAGCTATGAATCAGAATGAAGTCC  
AAGAAATCATAGGAGTAACAAAACAATTATTTCCCAATACGGATGATGTTTCAATTAGGAGAATGATAGG  
GCAAAAAGCTAAACAACCTGTACCAAGAAGCCAAATTTAAGCAAAAATCTTAACTCTCAGGATATTTAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG224260 representing NM\_152731  
 Red=Cloning site Green=Tags(s)

MQKIVQTDEITNTQAFKRGKRRTETMDSENANSMDKQGRDPYSGNAFLPGESSSEDEEPLAELSKEEL  
 CAKIKSLKEKL TNTRKENSRLRQSLVMLQVLPQAVTQFEELVGMAEALLKGGGTMTSASTLWRATNNSS  
 PDSFASTCSNSNSNSSSPVSLKPEEEHQDEKQFQIEKWQIARCNKSKPQKFINDLMQVL YTNEYMATHS  
 LTGAKSSTS RDKAVK PAMNQEVQEIIIGVTKQLFPNTDDVSIRRMIGQKLNCTKKPNLSKNLNSQDIK

TRTRPLE - GFP Tag - V

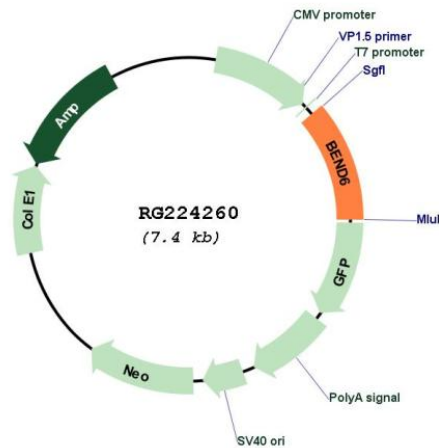
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_152731

**ORF Size:** 837 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_152731.3</a>
<b>RefSeq Size:</b>	2727 bp
<b>RefSeq ORF:</b>	840 bp
<b>Locus ID:</b>	221336
<b>UniProt ID:</b>	<a href="#">Q5SZJ8</a>
<b>Cytogenetics:</b>	6p12.1
<b>Gene Summary:</b>	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]