

## Product datasheet for **MG203810**

### **Bend6 (NM\_177235) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Bend6 (NM_177235) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Bend6
Synonyms:	B230209C24Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203810 representing NM_177235 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGAAGATCTTGACAGACAGATGACATCACCGACAACCAAGTCTTAGAAAAAGAAAGAGGAAACGGA  
CAGAGACAGCAAACCTCAGAAAATGCGAATAGTGCTCTGGAGAAAGCACAGAGAGACCCATATTCAGGAAA  
TGCTTTCTGCTGGGGAGAGTCCAGCGATGAGGAAACTCCCTAATGGAAGTGTCCAAGGAGGAACTT  
TGTAACAAAATCGAAAGCCTGAAAGAAAACCTAAGAAGCATCCGGAAGGAAAACAGCCGGCTTCGACAGT  
CTTTGGTCATGCTGCAAGTGTTACCTCAGGCAGTCACACAGTTTGAAGAACTGGTTGGAATGGCAGAGAC  
CCTCCTTAAGAGTGGAGGAGCCGTGTCCACACCAGCGTCTACTCTCTGGAGAGCAACAAACAACTCCTCC  
CCAGATTCGTTTGCCTCTCTGTGAGTAATCCAACCTCTACTTCCAGCTCCCAAGTTCCGTGAAGGCTG  
AGGAAGAGCAGCATCCTGGTGAGAAGCAGTTACAGATTGAGAGATGGCAGATTGCCGTTGTAATAAGAG  
CAAGCCTCAGAAATTTAATGATTTAATGCAAGTACTTTACACGAATGAGTACATGGCCACACACAGT  
CTGACGGGGGCAAAATCCTCCACTTCAAGGGACAAGGTTGTCAAACCAGCTATGAATCAGAATGAAGTTC  
AAGAAATCATAGGAGTAACGAAGCAGGTGTTTCCAGTGCGGATGACGTCTCAATCAGACGGATGATAGG  
ACAGAAGCTGAACAACTGCACGAAGAAGCCGAACGCGAGCAAAGCTCCGAACTCTCAGGATGGTATCTTA  
AAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203810 representing NM\_177235  
 Red=Cloning site Green=Tags(s)

MQKILQTDITDNQVLRKRKRKRRTETANSENANSALEKAQRDPYSGNAFLPGESSSDEETPLMELSKEEL  
 CNKIESLKEKLR SIRKENSRLRQSLVMLQVLPQAVTQFEELVGMAETLLKSGGAVSTPASTLWRATNNS  
 PDSFASLCSNSNSTSSSPSSVKAEEEEQHPGKQFTIERWQIARCNKSKPQKFINDLMQVL YTNEYMATHS  
 LTGAKSSTS RDKVVKPAMNQNEVQEIIIGVTKQVFP SADDVSIRRMIGQKLNCTKKPNASKAPNSQDGIL  
 K

TRTRPLE - GFP Tag - V

**Restriction Sites:**

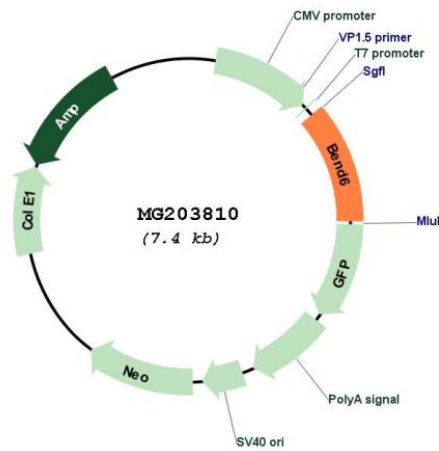
SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_177235

**ORF Size:** 843 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_177235.3</a> , <a href="#">NP_796209.2</a>
<b>RefSeq Size:</b>	2318 bp
<b>RefSeq ORF:</b>	846 bp
<b>Locus ID:</b>	320705
<b>UniProt ID:</b>	<a href="#">Q6PFX2</a>
<b>Cytogenetics:</b>	1 B
<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, PubMed:25561495).[UniProtKB/Swiss-Prot Function]