

Product datasheet for MR203810

Bend6 (NM_177235) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bend6 (NM_177235) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bend6
Synonyms:	B230209C24Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203810 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGAAGATCTTGACAGACAGATGACATCACCGACAACCAAGTCTTAGAAAAAGAAAGAGGAAACGGA
CAGAGACAGCAAACCTCAGAAAATGCGAATAGTGCTCTGGAGAAAGCACAGAGAGACCCATATTCAGGAAA
TGCTTTCTGCTGGGGAGAGTCCAGCGATGAGGAAACTCCCTAATGGAAGTGTCCAAGGAGGAACTT
TGTAACAAAATCGAAAGCCTGAAAGAAAACCTAAGAAGCATCCGGAAGGAAAACAGCCGGCTTCGACAGT
CTTTGGTCATGCTGCAAGTGTTACCTCAGGCAGTCACACAGTTTGAAGAACTGGTTGGAATGGCAGAGAC
CCTCCTTAAGAGTGGAGGAGCCGTGTCCACACCAGCGTCTACTCTCTGGAGAGCAACAAACAACTCCTCC
CCAGATTCGTTTGCCTCTCTGTGAGTAATCCAACCTCTACTTCCAGCTCCCAAGTTCCGTGAAGGCTG
AGGAAGAGCAGCATCCTGGTGAGAAGCAGTTACGATTGAGAGATGGCAGATTGCCCGTTGTAATAAGAG
CAAGCCTCAGAAATTTAATGATTTAATGCAAGTACTTTACACGAATGAGTACATGGCCACACACAGT
CTGACGGGGGCAAAATCCTCCACTTCAAGGGACAAGGTTGTCAAACCAGCTATGAATCAGAATGAAGTTC
AAGAAATCATAGGAGTAACGAAGCAGGTGTTCCAGTGGGATGACGTCTCAATCAGACGGATGATAGG
ACAGAAGCTGAACAACTGCACGAAGAAGCCGAACGCGAGCAAAGCTCCGAACTCTCAGGATGGTATCTTA
AAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203810 protein sequence
 Red=Cloning site Green=Tags(s)

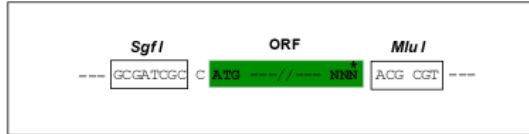
MQKILQTDITDNQVLRKRKRRTETANSENANSALEKAQRDPYSGNAFLPGESSSDEETPLMELSKHEEL
 CNKIESLKEKLR SIRKENSRLRQSLVMLQVLPQAVTQFEELVGMAETLLKSGGAVSTPASTLWRATNNSS
 PDSFASLCSNSNSTSSSPSSVKAEEEQHPGEKQFTIERWQIARCNKSKPQKFINDLMQVL YTNEYMATHS
 LTGAKSSTS RDKVVKPAMNQNEVQEIIIGVTKQVFP SADDVSIRRMIGQKLNCTKKPNASKAPNSQDGIL
 K

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_177235

ORF Size: 846 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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_177235.3](#), [NP_796209.2](#)

RefSeq Size: 2318 bp

RefSeq ORF: 846 bp

Locus ID: 320705

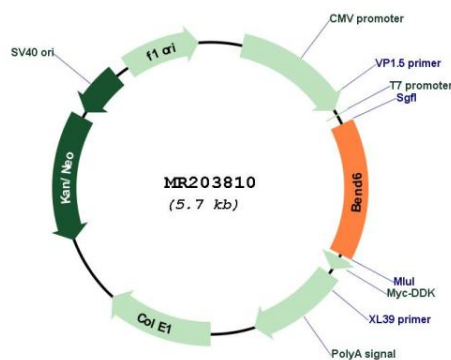
UniProt ID: [Q6PFX2](#)

Cytogenetics: 1 B

MW: 31.3 kDa

Gene Summary: 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]

Product images:



Circular map for MR203810