

Product datasheet for **MC205268**

Bend6 (NM_177235) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bend6 (NM_177235) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bend6
Synonyms:	B230209C24Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC057378
 CCGGCTCCCGCTCCCTGAGCCCGCCGGAGGCTGGGGCTCGGAGGATGCAGCAGGAAGCGAGAACCGCA
 TGCAGAACAGCGGCACCTACATGGGCGTTTCTGCCATCGCCGTTCCGAAAGCCTGGGCTGACTAATTGA
 GAAATGCAGAAGATCTTGACAGACAGATGACATCACCGACAACCAAGTTCTTAGAAAAAGAAAGAGGAAA
 CGGACAGAGACAGCAAATCAGAAAATGCGAATAGTGCTCTGGAGAAAGCACAGAGACCCATATTCAG
 GAAATGCTTTCTGCCTGGGAGAGTCCAGCGATGAGGAAACTCCCTAATGGAAGTGTCCAAGGAGGA
 ACTTTGTAAACAAAATCGAAAGCCTGAAAGAAAACTAAGAAGCATCCGGAAGGAAAAACAGCCGGCTTCGA
 CAGTCTTTGGTCACTGCTGCAAGTGTTACCTCAGGCAGTCACACAGTTTGAAGAAGTGGTTGGAATGGCAG
 AGACCCTCCTTAAGAGTGGAGGAGCCGTGTCCACACCAGCGTCTACTCTCTGGAGAGCAACAACTC
 CTCCCAGATTCGTTGCCTCTCTGTGCAGTAATTCCAACCTACTTCCAGCTCCCAAGTTCGGTGAAG
 GCTGAGGAAGAGCAGCATCCTGGTGAGAAGCAGTTCACGATTGAGAGATGGCAGATTGCCGTTGTAATA
 AGAGCAAGCCTCAGAAATTTAATGATTTAATGCAAGTACTTTACACGAATGAGTACATGGCCACACA
 CAGTCTGACGGGGCAAATCCTCCACTCAAGGGACAAGGTTGTCAAACCAGCTATGAATCAGAATGAA
 GTTCAAGAAATCATAGGAGTAACGAAGCAGGTGTTTCCAGTGGGATGACGTCTCAATCAGACGGATGA
 TAGGACAGAAGCTGAACAACTGCACGAAGAAGCCGAACCGAGCAAAGCTCCGAAGTCTCAGGATGGTAT
 CTTAAAATAAAACATGCTTGGTTTTCCGTCAAACATTGGAATTTGCTGGAGAAGTGGAGACATCAAGG
 ACTGGCTGTAGTAGCCATGGCTTTCCTGGTGGAGTAATGGACTGGCTGAAGCTGCATGCAGAGCCCTTAC
 TAATTAACCAGAGAATGTCTGTCAAACAAGCATGCAATATGGTTTCTTTGGAAATATGCATCTTTCACAG
 CCCCGAATACTTCCCTGTAACTAACTAAGATGATATCAGCTCTTGTCATAGCAACACAAAACATCCACC
 CTCCAGATCAGTCGTTGTCTTCAACAAACACTTCAAATATTACTATCAGTGACTCCTCATTATGGCTTT
 TGTTTGGTGGGGAGGGGCTTTAGCAAGCTCCTGTTTGGTAAGAATACAATTGAAATAATACACGTCTACC
 AATACCATGGCTAACCAAGTAATGATGACTTAACGTAAACCGTTTGAGTTATTCTGTGATCCAAAAATG
 TGTGAAATAGGATTCTAGAAAAAACCAAAAACATAAATGCCTTTCCGATTTCAGTTATCCCAACATGC
 CCCTGAAAGTCTAAAATCCCATCTTTGTTGTTAATTCCATGCGCTGATTTTTATATAGTCTCTTAGTC
 TATGAGGAAGACACACCCTCGGTATCCATTGTCCAGAACATACTAGATTGAGATGTGTAATAGTAGATA
 AATCACCTAAAGCGCACGTAGGACATGATATCGTGCTGGTCAGCCATGATGCTAAACTGCTAATTTTG
 ACCTGTTTATTTCCACTGTAGCAGAAGGAAAAATAACTGGAATAAAAAATACCAATTTAATATGGCATGG
 AAAATGCCATTTTGTAAATCAACAAAAATAAAACATTCTCAAAGACTTCTCACTTCATAAAAGGTCCC
 CTGACTACTTTGCAATGAGAAGCTATGCCTTTCTTTTTCTCCACAGCCTTCTTTCCCTCTGAGAC
 AGGGCTTCTCTGTGTAACCTGGTTATCCTGGAGCTCACTCTGTAGACCAGGCAGGGCTCACACTCAGAG
 ATCCACCTGCCTCTGCCTCCAAAGTTCTGGGATTAATGGTGTGCATCACCATGCCAGCAAACCTCTGCT
 TCTTGAGTGTGTAACGTGACATTGAAGCTTGGGAAGGAGATTTTAAAGTGCAGTGCAGGGGACCCAGGG
 ACTACACTGTACAGGCTGCTTGGTTAATAGTTCAGTTGTACAAAACAAATACTACAATGAAGTGAATTG
 TGTGACATTTGCTACTTTAATTAATAAAATTTAACTCCATTGAAAACAAAAAATAAAAAAAAAAAAAAAAAA AAAAAAA

Restriction Sites: Ascl-NotI

ACCN: NM_177235

Insert Size: 846 bp

OTI Disclaimer: 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).

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: [BC057378](#), [AAH57378](#)

RefSeq Size: 2318 bp

RefSeq ORF: 846 bp

Locus ID: 320705

UniProt ID: [Q6PFX2](#)

Cytogenetics: 1 B

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]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).