

Product datasheet for **MC221912**

Bend3 (NM_199028) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Bend3
Synonyms:	mKIAA1553
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF: >MC221912 representing NM_199028
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAACTCAACTGAAATCAGTGAAGATGTAGAAGAAGTTCTAAAAATAACCCCGTGAAGGCAGAGGGCA
 GCGACGCTACCTTGAGCTGCTCCCGAACTCCAGGGCCTCCGAGAAGCACCTTCTGGAGAGCGTCCTCAC
 CGCCCTCCACGATTCCAGCAAGCGCAAGCAGCTGGACAGCGACGGCCAGCCAGACTCTGTCCCCAGTGTG
 AAGAGGAGGCGGCTGATACCCGAGGCGCTCCTGGCCGGCATGCGCACCCGTGAGAACAGTTGCGCCTGCC
 AGGGAATGGAGAGCCTGCCAGCAGGGCAGGAGTGAAGCTGTGCATGGCTGCAGAAGAGGAACCTTC
 CACTGAGGCCACTGTCCCTTCTACAAGAAGCCCTGTATGGCATCTCCACAAAGATCATGGAGAAGAAG
 AACCTCCCTCGGAGACCTGCTCAGCCCCTATGAGCTCTTTGAGAAGGCAAACTCCAGTAGCGGCCCTT
 CTCCCCTGCGCCTGCTCAGTGAAGTCTCAGAAGCGGGAATGTGGTGTGGGGTTGCCACCGATGGGACCT
 CAACATCTACTTCTGATCCAGAAGATGTTCTACATGCTCAATGGACTCAGACTAATATGTCCAGCTT
 CACAGCAAGATGGACCTGCTGTCCCTCGAGGTGAGCCGTGTCAAGAAGCAGGTGAGCCCTTCCGAGCTGG
 TGGCCAAGTTCCAGCCCCCGCCGAGTACCAGCTCACTGCTTCCGAGCTGAAACAAATCGCCGAGCAGAG
 CCTGTCTTGGCGTGACCTAGCCTGTGACTCCTTTGACGCTCTTCCAGAGCTCTTCCAGCGACGTGGAC
 TTCTCCCGGGTGACGTGCTGTGGCTTTGCCGCCAAGCGGAAGTTAGAGTCGCTGCACCTGCAGCTCA
 TCCGCAACTACGTAGAGGTCTACTACCCCAATGTGAAGGACACGGCTGTGTGGCAGGCCGAGTGTGCTGCC
 GCAGCTCAATGACTTCTCAGCCGCTTCTGGGCCAGAGAGAAATGGAAGACAGCCAGCCAGGCGGCCAG
 GTCACCAACTTCTCGAAGCAGACCAAGTGGATGCCGGCCACTTTCTGGACAACAAGGACCAAGAAGAAG
 CTCTGTCTTGGACCGCAGCAGCACCATTGCCTCAGACCAGTGGTGGACACTCAGGACCTACCGAGTT
 CCTAGATGAAGCCTCCTCTCCCGGTGAGTTGTGTGTCTGCTACACCGGCTCTTCCCGAGCTGTTT
 GACCACCGGAAGCTGGGCGAGCAGTACAGCTGCTATGGTGACGGGGGCAAGCAGGAGCTGGACCCCCAGA
 GGCTGCAGATCATCCGCAACTACACAGAGATCTACTTCCCTGACATGCAGGAGGAGGAGGCTTGGCTGCA
 GCAGTGTGCCAGCGCATCAATGACGAGCTGGAGGGCCTGGGGTGGAGGGAGGCAGCGAGGCTGAGGCA
 CCGCGGAGCAGTGTATGACTCCTTAGCCTGCCAGACGACATCTCGGTGGTCAAGGTAGAGGACAAT
 TTGAAGGTGAGCGGCTGGCCGGCGCTCCAAGAAGATCTGGCTGGTACCCATTGACTTTGACAAGTTGGA
 GATCCCGCAGCCGACTTCGAGATGCCAGGCTCAGACTGCCTTCTGAGCAAGGAGCAGCTGCGCAGCATC
 TATGAGAGCAGCTGTCCATTGGCAACTTCGCCTCCCGCTGCTCGTGACCTCTTCCCGGAGCTCTTCA
 CCCACGAGAACCTGCGCAAGCAGTACAATGCAGCGGCTCCCTGGGCAAGAAGCAGCTGGATCCGGCCCG
 CATCAGGCTGATCCGCCACTACGTGCAGCTCCTTACCCGAGAGCCAAGAACGACCGCGTGTGGACCTG
 GAGTTCTGAGGCAAGCTGGACGAGCGCTGTGCGCGCAGGGACACGGAGCAGCGCCGATCCTACCAGCAGC
 AACGCAAGTCCATGTGCTGGCCCGAGTGCCGGGACCTAGCAAGTTACGCAATCAACCCCGAGAGGTT
 CCGTGAGGAGTTTGAAGGGCCCCCTGTGCTCCTGAAAGGAGCAGCAAGACTTTTGCAAAATACCCCTTG
 GACGAGCTGGTGGTCCCCTCACCTGACTTTCCGGTGCCTTCCCCCTACCTGCTGTGACACAAGGAGGTTT
 GTGAGATCGTGACGAGAGCCTGTGCGTGGCAACTTCGCGGCCCGGCTCCTGGTCAGGCTCTTCCCGGA
 ACTCTTACGACCGAGAACCTCCGACTGCAGTACAACCACTCCGGGCTTGTAAACAAGAAGCAGCTGGAC
 CCCACGAGGCTGAGGCTCATCCGCCATTACGTGGAAGCTGTCTACCCCGTGGAGAAGATGGAAGAGGTGT
 GGCACATATGAATGTATACCTAGCATTGATGAGCGGTGTGCGCGTCCCAACAGGAAAAAGTGCGACATCCT
 CAAGAAAGCCAAGAAAGTGGAGAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_199028

Insert Size: 2478 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_199028.2 , NP_950193.1
RefSeq Size:	6049 bp
RefSeq ORF:	2478 bp
Locus ID:	331623
UniProt ID:	Q6PAL0
Cytogenetics:	10 B2
Gene Summary:	Transcriptional repressor which associates with the NoRC (nucleolar remodeling complex) complex and plays a key role in repressing rDNA transcription. The sumoylated form modulates the stability of the NoRC complex component BAZ2A/TIP5 by controlling its USP21-mediated deubiquitination (By similarity). Binds to unmethylated major satellite DNA and is involved in the recruitment of the Polycomb repressive complex 2 (PRC2) to major satellites (PubMed:25457167). Stimulates the ERCC6L translocase and ATPase activities (By similarity). [UniProtKB/Swiss-Prot Function]