

Product datasheet for **MR221985**

Bend5 (NM_026279) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bend5 (NM_026279) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bend5
Synonyms:	2310026E23Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR221985 representing NM_026279
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTACGCCTTTGTGCGTTCTGGAGGACAACGTCTGCTACGCGCTGCCCGTGTGCTGCGTGCGCGACT
 TCAGTCCCGCTCGCGACTGGATTTTGACAACCAGAAGGTGTACGCGGTGTACCGGGCCCCGGAGGAGCT
 GGGCGCCGAGCCCGAGAGTCCCCCGCTGCCCTCGGGACTGGGGCGCGTGTGCTCCACAAGGCCAG
 ATCCTGGCGCTGGCAGAAGACAAATCTGACCTTGAGAACAGTGTGATGCAGAAGAAAATAAAATCCCCA
 AACTTTCTCTCAGTCATGTAGAAGATGATGGGGAGTTAAAGACTATGGGGAAGAAGATTACAGCTTAG
 ACACATCAAGAGACCGGAGGGCGGAAGCCTAGTGAAGCGGCTACAAGAGTATCGAGGCAGTGGTGGCC
 CGGCTAGAGAGACAGAACGGCTGAGCCTGGGCCACAGCACTTGTCCAGAAGAGGTCTTTGTGGAGGCT
 CACCGGGCACAGAGGACATGGACAGTCTGGAGGATGCTGTGCTGCCCGGGCTCTGTATGAGGAGCTGCT
 GCGAAACTACCAGCAGCAACAAGAGGAGATGCGCCACCTCCAGCAGGAGCTGGAGCGGACTCGGAGGCGAG
 CTGCTACAGCAGGCCAAGAAGCTCAAGGAGTACGGGGCATTGGTGTCTGAAATGAAGGAGCTCCGAGACC
 TCAACAGGAGACTCCAAGATGTGCTACTCCTGCGGCTTGGCAGCGGTCCC GCCATTGACTTGAAAAAGT
 AAAGTCAGAATGTCTCGAGCCCAGCCGGAGTTACGGAGCACTTTCAGTGAGGAAGCAAATACGTCGTCC
 TATTACCCCGCTCCTGCGCCTGTGATGGACAAGTATATCCTAGACAATGGCAAGGTCCATCTGGGAAGCG
 GGATTTGGGTTGATGAGGAGAAAATGGCACCAGTACAAGTTACCAAGGAGATTCTAAGTACACGAAGAA
 CTTGGCAGTCATGATCTGGGGAACAGATGTTCTGAAAAACAGAAGTGTACAGGAGTCGCCACAAAAAAA
 AAGAAGGATGCAATCCCAAAGCCACCCCTCTCTCTCACAAGCTCAGCATCGTCAGAGAGTGTATATG
 ACAGAATAGCACAAAGAACGGTGGATGAAACGGAAATTGCACAGAGACTCTCAAAGTCAACAAGTACAT
 CTGTGAGAAAATCATGGATATCAACAAATCTTGTAAAAATGAAGAACGAAGGGAAGCAAAAATACAATTTG
 CAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR221985 representing NM_026279
 Red=Cloning site Green=Tags(s)

MYAFVRFLEDNVCYALPVSCVRDFSPRSRLDFDNQKVYAVYRGPPEELGAEPEPPRAPRDWGALLLHKAQ
 ILALAEDKSDLENSVMQKKIKIPKLSLHVEDDGEVKDYGEEDLQLRHIKRPEGRKPSEAAHKSIEAVVA
 RLERQNGLSLGHSTCPPEVFVEASPGTEDMDSLEDAVVPRALYEELLRNYQQQEEEMRHLQQELERTRRQ
 LVQQAKKLKEYGALVSEMKELRDLNRRLQDVLLRLGSGPAIDLEKVKSECLEPEPELSTFSEEANTSS
 YYPAPAPVMDKYILDNGKVHLGSGI WVDEEKWHQLQVTQGD SKYTKNLAVMIWGTDLKNRSVTGVATKK
 KKDAIPKPPLSPHKLIVRECLYDRIAQETVDETEIAQRLSKVNKYICEKIMDINKSCKNEERREAKYNL
 Q

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:


ACCN: NM_026279

ORF Size: 1263 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_026279.3](#), [NP_080555.1](#)
RefSeq Size: 1826 bp

RefSeq ORF: 1266 bp

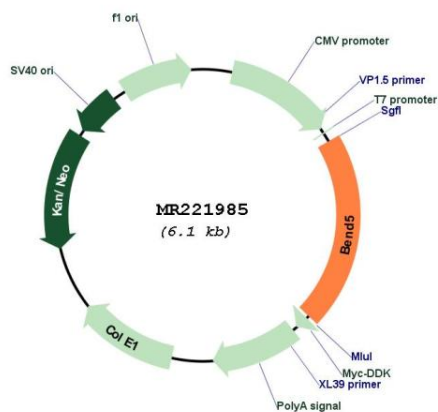
Locus ID: 67621

UniProt ID: [Q8C6D4](#)
Cytogenetics: 4 D1

MW: 48.7 kDa

Gene Summary: Acts as a transcriptional repressor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR221985