

Product datasheet for **MR221779**

Bend7 (NM_001190400) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bend7 (NM_001190400) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bend7
Synonyms:	1110017O21Rik; E130319B15Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR221779 representing NM_001190400
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGTTCTCGGAGAGGAAAAGAAGCAGGAAATCCCAGAGCTTCAAACGGTGAGCCGAGATTATCACC
 ATGAGGTGTATAAAATCTCAGAATTCAGCAATGATGTTAATGGGAGACCAAAGAGACACAACCCATTTA
 CTTAGGAGACGAAAGCATGGAATTTAAAAACAATTACGGGGATGAGAAGATTACTGAATGACAGCACT
 GGAAGGATATATCAGCGTGTGCGCAAAGAAGGAGAAAAATTTAAACAAGAGCCGAGGTTGTGGATTTAG
 TCTGGCCTCAGCGGTCCAACCTTCCACCAGGGCCTCACAGGGCCTCCACTCTAATTCACGTGGGCGTG
 GAATGAACTACCAACCCAAAGCGGGCAGTTCTCAGGGCAGTCTGGTCCACGCTCCAGAACCTTCCAGACT
 CAGCCCCACATCTCTGCAAGTTCCAATGGAGAACTTCCAGGGTGAATTCATAGTCGGTCCAACCTGCT
 GTACTTGAAGTCCAGTCAACCTTGCAGGCCATTCTCCAAGAGCTCAAGACCATGAGGAAATTAATGCA
 GTTTCAAGCAGTTGGAACCTAAAACAGACAACAACCCCAATTTCCCTTATGTGCTCCAGCGAACCGCC
 GTCTCACGCAAGGAAATAAAAAGAAAAAGTGTCTCCGAAGACTGTGCAACCTGTGACGGCTGTGGAAC
 CAAAGCCAGTCCCTTGAAACTGAGAAGAAGCCAGCAGCCTCGGCCACAAGGCCACCAGGTCTCCAAGC
 TGCAGAGCGCACCTCCACCAGGAGAACCACGTCCTGGGATTTGGCATTGTTCTGGAATCGCCGCTCTCA
 GATCCAGAAGTGAACCTTGTGAAGGCTTCGATGTGTTTATGCCAAATCTCAGCTGGACTCTATACTGT
 CAAACTACACTCGCTCAGGAAGCCTTCTGTTTAGAAAAGTGGTGTGTGCATTTTTTGACGACAAGACTTT
 GGCTAACTCCTTACCAACGGAAGCGGAAAAGAGGGTTCAATGACAACCGGAAAGGACTAGACAAAAC
 ATTGTGGGTGCAATAAAAGTCTTTACAGAAAATTAAGTACTGACTGCGAATCATGTGGATAAACTTCTGGCC
 CCAGAGACTGGGTGCAGATTCTGCAGGATCAGATTAAGTGGCCAGAAGAAGGTTGAAACGAGGCTCAGA
 GGTAGCTGACGGTATGAAAGACTGGACCGCATCTCTACCCCAACAGGTCATACATTTGTCATCAAG
 AGAGAGACCCAGAGGACCCAGAACCAGGTTCCGTGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR221779 representing NM_001190400
 Red=Cloning site Green=Tags(s)

MEFSERKRSRKSQSFKL VSRDYHHEVYKISEFSNDVNGETKETQPIYLGDESMEIKKQITGMRRLLNDST
 GRIYQRVGKEGKELKQEPQVVDLVWPQRSNSSTEASQGLHSNSRGAWNELPTQSGQFSGQSGPRSRFTQT
 QPHISASSNGELPGVNSIVGSNCCTCNCQSTLQAILQELKTMRKLMQFQAVGTQNRQPPISLMCSQRTA
 VSRKRNNKKKVLPKTVQPVTAVEPKPSPLETEKKPAASATRPPGLQAAERTSTEENHVLGFGIVLESPSS
 DPEVQLAEGFDVFMPSQLDSILSNYTRSGSLLFRKLVCAFFDDKTLANSLPNGKRKRGFNDNRKGLDQN
 IVGAIKVF TENYCTANHVDKLPGRDWVQILQDQIKLARRRLKRGSEVADGDERLDRI SLPPTGHTFVIK
 RETPEDPEPGSVA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001190400

ORF Size: 1299 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_001190400.1](#), [NP_001177329.1](#)
RefSeq Size: 3834 bp

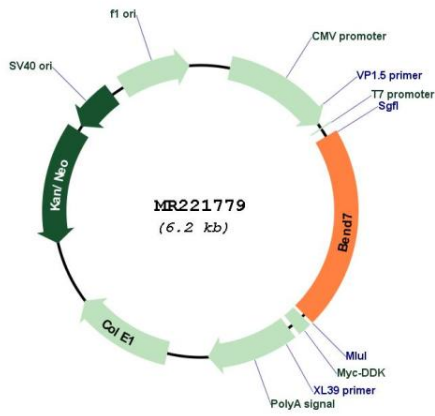
RefSeq ORF: 1302 bp

Locus ID: 209645

UniProt ID: [Q8BSV3](#)
Cytogenetics: 2 A1

MW: 48.8 kDa

Product images:



Circular map for MR221779