

Product datasheet for **MG221779**

Bend7 (NM_001190400) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bend7 (NM_001190400) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Bend7
Synonyms:	1110017O21Rik; E130319B15Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG221779 representing NM_001190400 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTTCTCGGAGAGGAAAAGAAGCAGGAAATCCCAGAGCTTCAAACGGTGAGCCGAGATTATCACC
ATGAGGTGTATAAAATCTCAGAATTCAGCAATGATGTTAATGGGGAGACCAAAGAGACACAACCCATTTA
CTTAGGAGACGAAAGCATGGAAATTAATAAACAATACGGGGATGAGAAGATTACTGAATGACAGCACT
GGAAGGATATATCAGCGTGTGGCAAAGAAGGAGAAAAATTAACAAGAGCCGAGTTGTGGATTTAG
TCTGGCCTCAGCGGTCCAACCTTCCACCGAGGCTCACAGGGCTCCACTCTAATTCACGTGGGCGTG
GAATGAACTACCAACCAAAGCGGGCAGTTCTCAGGGCAGTCTGGTCCACGCTCCAGAACCTCCAGACT
CAGCCCCACATCTCTGCAAGTCCAATGGAGAACTTCCAGGGTGAATCAATAGTCGGATCCAACCTGCT
GTACTTGTAACTGCCAGTCAACCTTGCAGGCCATTCTCCAAGAGCTCAAGACCATGAGGAAATTAATGCA
GTTTCAAGCAGTTGGAACCAAAACAGACAACAACCCCAATTTCCCTTATGTGCTCCACGGAACCGCC
GTCTCAGCAAGAGAAAATAAAAGAAAAAGTCTTCCGAAGACTGTGCAACCTGTGACGGCTGTGGAAC
CAAAGCCAGTCCCTTGGAACTGAGAAGAAGCCAGCAGCCTCGGCCACAAGGCCACAGGTCTCCAAGC
TGCAGAGCGCACCTCCACCGAGGAGAACCACGTCTGGATTTGGCATTGTTCTGGAATCGCCGTCTCA
GATCCAGAAGTCAACTTGCTGAAGCTTCGATGTGTTTATGCCAAATCTCAGTGGACTTATACTGT
CAAATACTCGCTCAGGAAGCCTTCTGTTTAGAAAACTGGTGTGTGCATTTTTTGACGACAAGACTTT
GGTAACCTCCTTACCAACGGAAGCGGAAAAGAGGGTTCAATGACAACCGGAAAGGACTAGACAAAAAC
ATTGTGGGTGCAATAAAAGTCTTTACAGAAAATTAAGTACTGACTGCGAATCATGTGGATAAACTTCTGGCC
CCAGAGACTGGGTGCAGATTCTGCAGGATCAGATTAAGTGGCCAGAAGAAGTTGAAACGAGGCTCAGA
GGTAGCTGACGGTGTGAAAGACTGGACCGCATCTCTACCCCCAACAGGTCATACATTTGTCATCAAG
AGAGAGACCCAGAGGCCAGAACCCAGGTTCCGTGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG221779 representing NM_001190400
Red=Cloning site Green=Tags(s)

MEFSERKRSRKSQSFKLVSRDYHHEVYKISEFSNDVNGETKETQPIYLGDESMEIKKQITGMRLLNDST
 GRIYQRVGKEGKLGKQEPQVVDLVWPQRSNSSTEASQGLHSNSRGAWNELPTQSGQFSGQSGPRSRTFQT
 QPHIASASSNGELPGVNSIVGSNCCTCNCQSTLQAILQELKTMRKLMQFQAVGTQNRQPPISLMCSQRTA
 VSRKRNNKKKVLPKTVQPVTAVEPKPSPLETEKKPAASATRPPGLQAAERTSTEENHVLGFGIVLESPSS
 DPEVQLAEGFDVFMPSQLDSILSNYTRSGSLLFRKLVCAFFDDKTLANSLPNGKRKRGFNDNRKGLDQN
 IVGAIKVFTENYCTANHVDKLPGRPDWVQILQDQIKLARRLKRGSEVADGDERLDRIISLPPTGHTFVIK
 RETPEDPEPGSVA

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



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

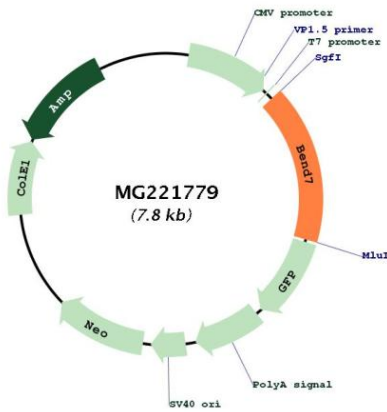
RefSeq ORF: 1302 bp

Locus ID: 209645

UniProt ID: [Q8BSV3](#)

Cytogenetics: 2 A1

Product images:



Circular map for MG221779