

## Product datasheet for **MR222612**

### **Bicc1 (NM\_031397) Mouse Tagged ORF Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | Bicc1 (NM_031397) Mouse Tagged ORF Clone |
| Tag:                      | Myc-DDK                                  |
| Symbol:                   | Bicc1                                    |
| Synonyms:                 | Bic-C; bpk; jcpk                         |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-Entry (PS100001)                   |
| E. coli Selection:        | Kanamycin (25 ug/mL)                     |



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**ORF Nucleotide Sequence:**

>MR222612 representing NM\_031397  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCTCGCAGAGCGAGCCGGCTACCTGGCGCGCGCAGTCGGACCCCGCTCCAACAGCGAGCGCA  
 GCACCGACTCGCCGGTGGCCGGCTCCGAGGACGATCTGGTGGCCGCGGCCCTTTCACAGCCCGGA  
 GTGGAGCGAGGAGCGCTTCCGCGTGAGCAGGAAGAACTCGAGGCCATGCTCCAAGCTGCAGCTGAAGGA  
 AAAGGCCGAAGTGGGGAAGACTTTTTTCAGAAGATCATGGAGGAGACAAACACGCAGATTGCATGGCCGT  
 CCAAAGTGAAGATCGGGCTAAATCCAAGAAAGATCCCCACATCAAGTTTCTGGGAAGAAAGAGGATGT  
 GAAGGAAGCCAAAGAAATGATCATGTCTGTCTTAGACACAAAAGCAACCGCGTCACATTGAAGATGGAT  
 GTCTCGCACACGGAGCACTCCACGTATCGGCAAGGGTGGTAACAACATTAAGGATCATGGAAGACA  
 CGGGCTGCCACATCCACTTCCAGACTCCAACAGGAACAACAGGCAGAGAAGAGTAACCGGTGTCTAT  
 AGCAGGACAGCCAGCAGGAGTAGAATCGGCCCGAGCAAGGATTCGGGAGCTGCTTCTTTGGTGTGATG  
 TTTGAGTTACCGATTGCCGGGATTCTCCAGCCAGTCCCGATCCAACACCCCGTCCATTAGCAGACATCT  
 CACAAACCTACAGCGTTTCTGTGTCCTTAAGCAGAGGTCCTGAATGTATGGTGTACAGTCACAGTACG  
 AGGCTCTCAGAATAACACTAATGCTGTGAAGGAAGGAACAGCCATGCTGTTGGAACACCTTGCGGGAAGC  
 TTGGCCTCCGCCATCCCGTGGAGCACAACTGGACATAGCAGCCAGCATCACCTTTCATGATGGGCC  
 GGAACGGGAGCAACGTCAAACACATCATGCAGAGGACAGGGGCGCAGATTCACTTTCCGACCCAGCAA  
 TCCACAGAAGAAATCCACCGTCTACCTCCAGGGCACCATTGAGTCTGTCTGCCTAGCAAGGCAGTATCTC  
 ATGGGGTGTCTTCTCTGGTGTGATGTTTATGATGAAGGAAGACATTGAAGTGGACCCACAGGTCATCG  
 CACAGCTGATGGAACAGCTGGAGCTTTTATCAGTATTAACAAAGCCAAACAGCCAGCAAGTCTGT  
 GATTGTGAAAAGTGTGAGCGAAATGCCTAAATATGTATGAAGCAAGGAAGTGTCTCCTCGACTTGAA  
 AGCAGTGGGGTTTCCATAGCAACCAAGTCTATCCCCAGCATCGTGCCTGCCGGCCTGGCCTGTCCCAGCC  
 TGGATATCTTAGCTTCCGAGCCCTCGACTCACTGGACTAGGTTTATTGGGGCCACCACATTGTCTGCT  
 CAATACGTGAGCCACCCCAACTCACTCCTGAATGCTCTCAACACTTCGGTCAAGTCTTTGCAAAGTTCA  
 AGTTCTGGTACTCCAGTCTACACTGTGGCACCCCAATCGCTAACACTGCAAGCGCCACAGGTTTCT  
 CTACGATACCACACCTTATGCTTCCCTCTACTGCCAGGCCACATTAACCAATATTTTGTGTCTGGAGT  
 GCCACATACGGGCACACGGCTCCATCTCCCCACCTGGCTTACTCCTGTTGATGTTACATCAACAGC  
 ATGCAGACAGAAGGCAAAAACATCTCTGCGTCTATAAATGGACATGTGCAGCCTGCAACATGAAATACG  
 GTCGCTGTCCACTTTCATCGCTTGGGGAAAAAGTGTGAGTTCGAATCATGGTGACCCATCCATGCAGAC  
 AGCTGGGCCCGAACAGGCTTCTCCTAAATCAAACCTCGGTGGAAGGCTGCAATGATGCCTTTGTTGAAGT  
 GGCATGCCTCGAAGTCCCTCCCATTCTGGAAACGCTGGCGACTTGAAGCAGATGCTGGGTGCCTCCAAGG  
 TCTCCTGTGCCAAGCGGCAGACGGTTGAGTACTGCAGGGCAGCAAGAACTCGCACCTCCACGGCACTGA  
 CAGACTACTCTCAGACCTGAACTGAGCGCCACAGAAAGTCCGCTTGTGACAAGAAGGCCCCGGGGAGC  
 GAACGTGCAGCTGAGAGGGCAGCAGTCCCCAGCAGAAATCGGAGAGGGCCCGCTGGCCTCGCAGCCAA  
 CATATGTCCACATGCAGGCATTTGATTATGAGCAGAAGAACTATTAGCCACCAAGCGATGTTAAAGAA  
 GCCAGTGGTGACTGAGGTCAGAACACCTACGAATACGTGGAGTGGCCTGGGATTCTCAAAGTCCATGCCG  
 GCAGAAACCATTAAGGAACTGAGGAGAGCCAAACACGTATCCTATAAGCCACAGTGAACCCGCTATG  
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 CTGGAGAGACCGAATGGAATAGGCCCATGGGTACAGTGAATTCTCAGCACCATCGGCAGCCCCAAG  
 CGCAAGCAGAACAATCAAGAGAGCACTATCTAAGCAGCAGCAACTACATGGACTGCATTTCTCGCTGA  
 CGGGAAGCAATGGCTGTAACTGAACAGCTGCTTCAAAGGCTCCGACCTCCCGAGCTTTTCAGCAAGCT  
 GGGCCTAGGCAATACACGGATGTCTTCCAGCAGCAAGAGATCGATCTTCCAGACATTCTCACCCCTACA  
 GATCAGGATCTGAAGGAGCTGGGAATCACAACTTTGGTGCCTGAAGGAAATGCTGCTGGCAATCTCAG  
 AGCTAAGTAAAAACCGAAGAAACTTTTTGAACCACCAACGCATCATGCACCTCCTTCTGGAAGCGCG  
 AGCCAGTGGGAGGCTGCCTCGCCAGTATCATTCAGACATTGCGAGCGTCAGTGGCCGCTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR222612 representing NM\_031397  
 Red=Cloning site Green=Tags(s)

MASQSEPGYLAQAQSDPGNSERSTDSPVAGSEDDLVAAPLLHSPWESEERFRVDRKKLEAMLQAAAEG  
 KGRSGEDFFQKIMEETNTQIAWPSKLIKIGAKSKKDPHIKIVSGKKEDVKEAKEMIMSVLDTKSNRVTLMKD  
 VSHTEHSHVIGKGGNNIKKVMEDTGCHIHFDPDSNRNNQAEKSNQVSIAGQPAGVESARARIRELLPLVLM  
 FELPIAGILQPVPDPNTPSIQHISQTYSVSVFKQSRMYGATVTVRGSQNNNTNAVKEGTAMLEHLGAS  
 LASAIPVSTQLDIAAQHHLFMMGRNGSNVKHIMQRTGAQIHFPDPSNPQKKSTVYLQGTIESVCLARQYL  
 MGCLPLVLMFDMKEDIEVDPQVIAQLMEQLDVFISIKPKPKQPSKSVIVKSVERNALNMYEARKCLLGLE  
 SSGVSIATSLSPASCPAGLACPSLDILASAGLGLTGLGLLGPPTLSLNTSATPNSLLNALNTSVSPLQSS  
 SSGTPSPTLWAPP IANTASATGFSTIPHLMLPSTAQATL TNILLSGVPTYGHTAPSPPPGLTPVDVHINS  
 MQTEGKNISASINGHVQPANMKYGPLSTSSLGEKVLSSNHGDPSMQTAGPEQASPKSNSVEGCNDAFVEV  
 GMPRSPSHSGNAGDLKQMLGASKVSCAKRQTVELLQGTKNSHLHGTDRLLSPELSATESPLADKKAPGS  
 ERAAERAAAAQKSERARLASQPTYVHMQAFDYEQKLLATKAMLKPPVTEVRTPTNTWSGLGFSKSM  
 AETIKELRRANHVSYKPTMTTAYEGSSLSSRSSREHLASGSESDNWRDRNGIGPMGHSEFSAPIGSPK  
 RKQNKSRHYLSSSNYMDCISSLTGSNGCNLNSCFKGSDDLPELFSKLGKGYTDVFQQEIDLQTFLLTLT  
 DQDLKELGITTFGARRKMLLAISELSKNRRKLFEPNASCSTFLGGASGRLPRQYHSDIASVSGRW

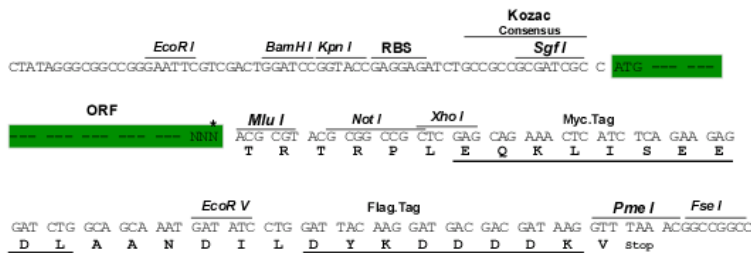
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1591\\_a12.zip](https://cdn.origene.com/chromatograms/ja1591_a12.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



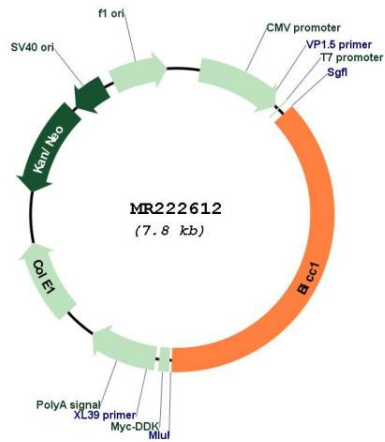
\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_031397

**ORF Size:** 2931 bp

|                               |   |
|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">NM_031397.3</a>   |
| <b>RefSeq Size:</b>           | 3111 bp   |
| <b>RefSeq ORF:</b>            | 2934 bp   |
| <b>Locus ID:</b>              | 83675   |
| <b>UniProt ID:</b>            | <a href="#">Q99MQ1</a>  |
| <b>Cytogenetics:</b>          | 10 36.75 cM   |
| <b>MW:</b>                    | 105.5 kDa   |
| <b>Gene Summary:</b>          | Putative RNA-binding protein. May be involved in regulating gene expression during embryonic development.[UniProtKB/Swiss-Prot Function]  |

Product images:



Circular map for MR222612