

## Product datasheet for **MC222655**

### **Bcas3 (NM\_138681) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Bcas3 (NM_138681) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bcas3
Synonyms:	1500019F07Rik; 2610028P08Rik; AU021018; BC028339; K20D4; rudhira
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:**

>MC222655 representing NM\_138681

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAATGAAACAATGGCTACAGATTCTCCTCGGAGACCCAGTCGTTGACTGGCGGAGTCGTGGTCCGCC  
CTCAGGCCGTCACGGAGCAGTCCTACATGGAGAGCGTCGTGACTTTTCTGCAGGATGTTGTGCCACAGGC  
TTACAGTGGGTCTCCCTAACAGAAGAAAAGGAGAAGATAGTCTGGGTACAGATTTGAGAATGCAGATCTG  
AACGACACATCACGGAATCTAGAATTTTCACTGAACTGCATAGCACTGGAAATGAGCCTCCTCTGCTGGTTA  
TGATCGGTACAGTGACGGAATGCAGGTCTGGGCATCCCTATCAGCGGGGAAGCCAGGAGCTCTTCTC  
TGTACGACATGGTCCAGTCCGAGCAGCTAGAATCTTGCCTGCTCCACAGTTGGGTGCCAAAAGTGTGAT  
AACTTTGCTGAGAAAAGACCTCTTCTGGTGTGTTGAAGAGCATTGGATCTTCAGGCACGACACCACCGT  
ACTGCTGTGTGGATCTGTATTCACTCCGACTGGGAAAATGGTCAAGTCCATTAGTTTAAACACCCAT  
TTATGATCTTCACTGTAACAAGCGGATCCTCGTGTAGTCTTGCAGGAGAAAATTGCTGCCTTTGATAGC  
TGTAATTTACAAAAAATTTTTGTACAAAGTTGTTATCCTTGTCTGGCCAAACATGAATCCCATTG  
CTCTTGGGAGCCGCTGGCTTGTATGCAGAAAATAAGCTGATTTCGCTGTACCAGTCCCCTGGAGGAGC  
CTGTGGAGACAACATTAGTCTTACACTGCCACTGTCTTAGTGTGCTAAAACACTGAAAAGTGGCCTG  
ACGATGGTTGGGAAAGTGGTGACTCAACTGACAGGCACACTGCCCTCAGGGGTGACAGAAGATGACGTTG  
CCCTACACTGCAACTCAAGACGGAGCCCCTTGGTTCAGGCATCATCACAGTATAGACACTGAGACGGT  
TGGAGAGGGCCAGGTGCTTGAAGTGAAGTGGTACTCGGACAGTATGGCATTGTGGCCCACTCCCTGCCAT  
GAGAAGCCAGTATGCTGTATGGCTTTAATACTAGTGAATGCTTTTAGTCACAACAGACTCTTGGCC  
ATGACTTTCATGTCTTCAAATCCTGACTCATCCTTGGTCACTCACAGTGTGCTGTCCATCTGTA  
CACACTTACAGGGGAGAGACCCGAGGCCAAAGTTCAGGACATCTGTTTACGCCATGATTGTCTGGGTG  
GTGGTCACTACCTCCGGGTACGTCCACGTTTTCCCATCAATCCTTATGGTGGCCAGCCTTGTGTCC  
GCACACACATGTACCACGAGTAGTCAATCGCATGAGCCGTTTCCAGAAAAGTGTGGGCTGGAAGAGAT  
TGAACAAGAGCTGACATCTAAGCAAGGCGGCCGCTGTAGTCTGTCCAGGCCTGTCCAGCAGCCCTTCT  
GGCTCCCCGCTGCATGGGAAAGTGAACAGCAAGACTCTTACAATAACTTTACAACAACAACCTGGCA  
ATCCCCGCTTTCTCCCCTCCCCAGCTTGTAGTGTAGTGCCTCTTGCGCAATCAAACAGCCAATGAC  
ACTGGGAACCATCAGGAAGCGAACAGGGCCTTATCTCTTGGAGCGGGTGTCTTCCATAAAGGCTCCA  
TGCAAAGTTAAATCACCTCCACAATTTCTCAAGCAAATCAATGGGCGGTGAGTTTTGCGTGGCTGCAG  
TGTTTGGGACTTCCAGGTCTGGTTTGAACAACGCTGGTCTGAAACGGGAAAAAGATCAGTCCAAACA  
AGTTGTAGTTGAATCTCTTTACATCATCAGCTGCTACGGGACCTTAGTGGAGCACATGATTGAGCCCCGG  
CCGATCAGTACTGCTCCCAAGATAAGTGAACGACACACCACTGGAGATAATGACGTACCCCGTGCCAGCT  
GGACACTTGTAGAACGCTCAGTGAATGAACTGCAGCCGCATTCAATGCGAATCACCCCTCTGCTCCT  
CGCTGCAGAAGCAGTGCAGTATTACCAGCTCCTGCTGGCCGGCTCTTCCCCCTGGAAGTCTGGCCCC  
ATTACTCGACATGGGTCTATGACAGCTTAGCCTCTGACCATAGTGGACAGGAAGATGAAGAATGGCTTT  
CCCAGTTGAAATGTGACACACACCGGACCCACAGGCGCTGTGGATGGGCCACAATTCATTTCAA  
AACCATCCAACCTCAGGCCAGACCAGGTCATATCAACTAGTCTTCTGTGTTACAATCGCACGGACCT  
AGCGACACACCACAGCCGCTCTTGGACTTTGATACGGATGATCTAGATCTTAACAGCCTCAGGATCCAGC  
CTGTCCGCTCTGACCCAGTCAAGTATGCCAGGGTATCCCGTGTCTCTGATCGGAGGGGAGTTTCCAC  
AGTGACCGATGCTGCCTCAGGTACCTTTGACCGGAGCGTACCCTGCTGGAGGTGTGGGAGCTGGCCT  
GAGGGCTTCGGGCTGCGGCATATGTCCTCCATGGAGCACTCAGAGGAGGGCCTCCGGGAACGGCTTGACG  
ATGCCATGGCCGAGTACCAAGCCGAGACGTTGTGGGATCTGGAACAGAACTTCAGCGAGAGGGAAGCAT  
CGAGACTCTGAGTAACAGCTCCGGCTCCACCAGCGGCAGCATCCCAAGAACTTCGATGGCTACCGATCT  
CCGCTCCCTACCAACGAGAGCCAGCCGCTCAGCCTCTTCCCCACTGGCTTCCCC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

<b>ACCN:</b>	NM_138681
<b>Insert Size:</b>	2787 bp
<b>OTI Disclaimer:</b>	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).
<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_138681.4</a> , <a href="#">NP_619622.3</a>
<b>RefSeq Size:</b>	3692 bp
<b>RefSeq ORF:</b>	2787 bp
<b>Locus ID:</b>	192197
<b>UniProt ID:</b>	<a href="#">Q8CCN5</a>
<b>Cytogenetics:</b>	11 C
<b>Gene Summary:</b>	<p>Functions synergistically with PELP1 as a transcriptional coactivator of estrogen receptor-responsive genes. Stimulates histone acetyltransferase activity. Binds to chromatin (By similarity). Plays a role in angiogenesis. Participates in the regulation of cell polarity and directional endothelial cell migration by mediating both the activation and recruitment of CDC42 and the reorganization of the actin cytoskeleton at the cell leading edge. Promotes filipodia formation.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a).</p>