

Product datasheet for **MC222607**

Bcas3 (NM_001166643) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bcas3 (NM_001166643) 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:

>MC222607 representing NM_001166643
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAATGAAACAATGGCTACAGATTCTCCTCGGAGACCCAGTCGTTGACTGGCGGAGTCGTGGTCCGCC
 CTCAGGCCGTCACGGAGCAGTCCTACATGGAGAGCGTCGTGACTTTTCTGCAGGATGTTGTGCCACAGGC
 TTACAGTGGGTCTCCCTAACAGAAAGAAAAGGAGAAGATAGTCTGGGTACAGATTTGAGAATGCAGATCTG
 AACGACACATCACGGAATCTAGAATTTCACTGAAGTGCATAGCACTGGAAATGAGCCTCCTCTGCTGGTTA
 TGATCGGTACAGTGACGGAATGCAGGTCTGGGCATCCCTATCAGCGGGGAAGCCAGGAGCTCTTCTC
 TGTACGACATGGTCCAGTCCGAGCAGCTAGAATCTTGCCTGCTCCACAGTTGGGTGCCAAAAGTGTGAT
 AACTTTGCTGAGAAAAGACCTCTTCTGGTGTGTTGAAGAGCATTGGATCTTCAGGCACGACACCACCGT
 ACTGCTGTGGATCTGTATTCACTCCGACTGGGAAAATGGTCAAGTCCATTAGTTTAAACACCCAT
 TTATGATCTTCACTGTAACAAGCGGATCCTCGTGTAGTCTTGCAGGAGAAAATTGCTGCCTTTGATAGC
 TGTAATTTACAAAAAATTTTTGTCACAAGTTGTTATCCTTGTCTGGGCCAAACATGAATCCCATTG
 CTCTTGGGAGCCGCTGGCTTGTATGCAGAAAATAAGCTGATTTCGCTGTACCAGTCCCCTGGAGGAGC
 CTGTGGAGACAACATTCAGTCTTACACTGCCACTGTCTTAGTGTGCTAAAACACTGAAAAGTGGCCTG
 ACGATGGTTGGGAAAGTGGTGAAGTCAACTGACAGGCACACTGCCCTCAGGGGTGACAGAAGATGACGTTG
 CCCTACACTGCAACTCAAGACGGAGCCCTTGGTCCAGGCATCATCACAGTATAGACACTGAGACGGT
 TGGAGAGGGCCAGGTGCTTGAAGTGAAGTCCGACAGTGTGGCATTGTTGGCCACTTCCCTGCCAT
 GAGAAGCCAGTATGCTGTATGGCTTTAATACTAGTGAATGCTTTTAGTCACAACAGACTCTTGGCC
 ATGACTTTCACTGTTCCAAATCCTGACTCATCCTTGGTCAATCACAGTGTGCTGTCCATGTA
 CACACTTACAGGGGAGAGACCGAGGCCAAAGTTCAGGACATCTGTTTCAGCCATGATTGTGCTGGGTG
 GTGGTCAGTACCCTCCGGGTACGTCCACGTTTTCCCATCAATCCTTATGGTGGCCAGCCTTGTGTCC
 GCACACACATGTACCACGAGTAGTCAATCGCATGAGCCGTTTCCAGAAAAGTGTGGGCTGGAAGAGAT
 TGAACAAGAGCTGACATCTAAGCAAGGCGGCCGCTGTAGTCTGTCCAGGCCTGTCCAGCAGCCCTTCT
 GGCTCCCCGCTGCATGGGAAAGTGAAGCAAGGCTTACAATAACTTTACAAACAACAACCTGGCA
 ATCCCCGCTTTCTCCCCTCCCCAGCTTGTAGTGTAGTGCCTCTTGCGCAATCAAACAGCCAATGAC
 ACTGGGAACCATCACGAAGCGAACAGGCAAAGTAAATCACCTCCACAAATTTCTCCAAGCAAATCAATG
 GCGGTGAGTTTTGCGTGGCTGCAGTGTGGGACTTCCAGGTGCTGGTTTGAACAACGCTGGTCTGA
 AACGGGAAAAAGATCAGTCCAAACAAGTTGTAGTTGAATCTTTACATCATCAGCTGCTACGGGACCTT
 AGTGGAGCACATGATTGAGCCCCGGCCGATCAGTACTGCTCCCAAGATAAGTGAAGACACACCCTGGAG
 ATAATGACGTACCCCGTCCAGCTGGACACTTGTAGAACGCCTCAGTGAATGAAGTGCAGCCGCCAT
 TCAATGCGAATCACCCCTGCTCCTCGTGCAGAACGAGTGCAGTATTACCAGCTCCTGTGGCCGGCTC
 TCTTCCCCTGGAAGTCTGGCCCCATTACTCGACATGGGTCTATGACAGCTTAGCCTCTGACCATAGT
 GGACAGGAAGATGAAGAATGGCTTTCCAGGTTGAAATGTGACACACACCGGACCCACAGGCGCCTGT
 GGATGGGCCACAATCCATTTCAAACCATCAAACCTCAGGCCAGACCAGGTCATATCAACTAGTTC
 TTCTGTGTTACAATCGCACGGACCTAGCGACACACCACAGCCGCTTTGGACTTTGATACGGATGATCTA
 GATCTTAACAGCCTCAGGATCCAGCCTGTCCGCTCTGACCCAGTACAGATGCCAGGGTCATCCCCTGCTG
 TCTCTGATCGGAGGGGAGTTTCCACAGTACCGATGCTGCCTCAGGTACCTTTGACCGGAGCGTGACCC
 GCTGGAGGTGTGGGAGCTGGCCTGAGGGCTCGGGCTGCGGCATATGTCTCCATGGAGCACTCAGAG
 GAGGGCTCCGGGAACGGCTTGCAGATGCCATGGCCGAGTACCAAGCCGAGACGTTGTGGGATCTGGAA
 CAGAACTCAGCGAGAGGGAAGCATCGAGACTCTGAGTAACAGCTCCGGCTCCACCAGCGGCAGCATCCC
 AAGAACTTCGATGGCTACCGATCTCCGCTCCCTACCAACGAGAGCCAGCCGCTCAGCCTCTTCCCCT
 GGCTTCCCCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:	NM_001166643
Insert Size:	2742 bp
OTI Disclaimer:	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).
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:	<ol style="list-style-type: none">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:	<u>NM_001166643.1</u> , <u>NP_001160115.1</u>
RefSeq Size:	3561 bp
RefSeq ORF:	2742 bp
Locus ID:	192197
Cytogenetics:	11 C
Gene Summary:	<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 (3) differs in the 5' UTR and lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a. Variants 2 and 3 both encode the same isoform.</p>