

Product datasheet for **MG218154**

Bcas3 (NM_001166643) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bcas3 (NM_001166643) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Bcas3
Synonyms:	1500019F07Rik; 2610028P08Rik; AU021018; BC028339; K20D4; rudhira
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG218154 representing NM_001166643
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATGAAACAATGGCTACAGATTCTCCTCGGAGACCCAGTCGTTGACTGGCGGAGTCGTGGTCCGCC
 CTCAGGCCGTCACGGAGCAGTCCTACATGGAGAGCGTCGTGACTTTTCTGCAGGATGTTGTGCCACAGGC
 TTACAGTGGGTCTCCCCTAACAGAAAGAAAAGGAGAAGATAGTCTGGGTACAGATTTGAGAATGCAGATCTG
 AACGACACATCACGGAATCTAGAATTTTCACTGAACTGCATAGCACTGGAAATGAGCCTCCTCTGCTGGTTA
 TGATCGGTACAGTGACGGAATGCAGGTCTGGGCATCCCTATCAGCGGGGAAGCCAGGAGCTCTTCTC
 TGTACGACATGGTCCAGTCCGAGCAGCTAGAATCTTGCCTGCTCCACAGTTGGGTGCCAAAAGTGTGAT
 AACTTTGCTGAGAAAAGACCTCTTCTGGTGTGTTGAAGAGCATTGGATCTTCAGGCACGACACCACCGT
 ACTGCTGTGTGGATCTGTATTCCTCCGACTGGGAAAATGGTCAAGTCCATTAGTTTAAACACCCAT
 TTATGATCTTCACTGTAACAAGCGGATCCTCGTCGTAGTCTTGCAGGAGAAAATTGCTGCCTTTGATAGC
 TGTAATTTACAAAAAATTTTTGTCACAAGTTGTTATCCTTGCCTGGGCCAAAACATGAATCCCATTG
 CTCTTGGGAGCCGCTGGCTTGTATGCAGAAAATAAGCTGATTGCTGTCCAGTCCCGTGGAGGAGC
 CTGTGGAGACAACATTCAGTCTTACACTGCCACTGTCTTAGTGTGCTAAAACACTGAAAAGTGGCCTG
 ACGATGGTTGGGAAAGTGGTGACTCAACTGACAGGCACACTGCCCTCAGGGGTGACAGAAGATGACGTTG
 CCCTACACTGCAACTCAAGACGGAGCCCTTGGTTCAGGCATCATCACAGTATAGACACTGAGACGGT
 TGGAGAGGGCCAGGTGCTTGAAGTGAAGTCCGACAGTATGGCATTGTTGGCCACTTCCCTGCCAT
 GAGAAGCCAGTATGCTGTATGGCTTTAATACTAGTGAATGCTTTTAGTCACAACAGACTCTTGGCC
 ATGACTTTCACTGTTCCAAATCCTGACTCATCCTTGGTCAATCACAGTGTGCTGTCCATGTA
 CACACTTCACAGGGGAGAGACCCGAGCCAAAGTTCAGGACATCTGTTTCAGCCATGATTGTCGTTGGGTG
 GTGGTCAGTACCCTCCGGGTACGTCCACGTTTTCCCATCAATCCTTATGGTGGCCAGCCTTGTGTCC
 GCACACACATGTACCACGAGTAGTCAATCGCATGAGCCGTTTCCAGAAAAGTGTGGGCTGGAAGAGAT
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 ATCCCCGCTTTCTCCCCTCCCCAGCTTGTAGTGTAGTGCCTCTTGCGCAATCAAACAGCCAATGAC
 ACTGGGAACCATCACGAAGCGAACAGGCAAGTTAAATCACCTCCACAAATTTCTCCAAGCAAATCAATG
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 AACGGGAAAAAGATCAGTCCAAACAAGTTGTAGTTGAATCTCTTACATCATCAGCTGCTACGGGACCTT
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 TCAATGCGAATCACCCCTGCTCCTCGTGCAGAACAGTGCAGTATTACCAGCTCCTGTGGCCGGCTC
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 GAGGGCTCCGGGAACGGCTTGCAGATGCCATGGCCGAGTACCAAGCCGAGACGTTGTGGGATCTGGAA
 CAGAACTTCAGCGAGAGGGAAGCATCGAGACTCTGAGTAACAGCTCCGGCTCCACCAGCGGCAGCATCCC
 AAGAACTTCGATGGCTACCGATCTCCGCTCCCTACCAACGAGAGCCAGCCGCTCAGCCTCTTCCCCT
 GGCTTCCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG218154 representing NM_001166643
 Red=Cloning site Green=Tags(s)

MNETMATDSPRRPSRCTGGVVVRPQAVTEQSYMESVVTFLQDVVPQAYSGSPLTEEKEKIVVWRFENADL
 NDTSRNLEFHELHSTGNEPPLLVMIGYSDGMQVWGIPISGEAQELFSVRHGPVRAARILPAPQLGAQKCD
 NFAEKRPLLGVCKSIGSSGTTTPPYCCVDLYSLRTGEMVKS IQFKTPIYDLHCNKRILVVVLQEKIAAFDS
 CTFTKKFFVTSCYPCPGPNMNPIALGSRWLAYAENKLRCHQSRGGACGDNIQSYTATVLSAAKTLKSGL
 TMVGKVVVTQLTGTLPSTGVEDDVALHCNSRRSPLVPGIITVIDTETVGEQQLVSESDSDGIVAHFPAH
 EKPVCCMAFNSTGMLLVTTDTLGHDFHVQILTHPWSSSQCAVHHLTYLHRGETEAKVQDICFSDHCRWV
 VVSTLRGTSHVFPINPYGGQPCVTRTHMSPRVVNRMSRFQKSAGLEEIEQELTSKQGGRCSPVPLSSSPS
 GSPLHGKLTSDQSYNNFTNNNPGNPRLSPLPSLMVVTPLAQIKQPMTLGTITKRTGKVKSPQISPSKSM
 GGEFCVAAVFGTSRSWFANNAGLKREKQSKQVVVESLYIISCYGTLVEHMI EPRPISTAPKISDDTPLE
 IMTSPRASWTLV RTPQWNE LQPPFNANHPLLLAAEAVQYYQLLLAGSLPPGSPGITRHSYDLSLADHS
 GQDEEEWLSQVEIVTHTGPHRRLLWMGPQFHFKTIQTSQTTVISTSSSVLQSHGSDTPQPLLDFTDDL
 DLNSLRIQPVRSDPVSM PGSSRAVSDRRGVSTVTDAAAGTFDRSVTLLEVCGSWPEGFGLRHMSSMEHSE
 EGLRERLADAMAESP SRD VVGS GTELQREGSIETLSNSSGSTSGSIPRNF DGYSPLPTNESQPLSLFPT
 GFP

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

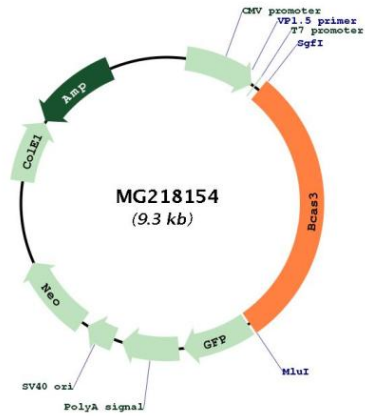
Cloning Scheme:



ACCN: NM_001166643

ORF Size:	2739 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:	<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:	NM_001166643.1 , NP_001160115.1
RefSeq Size:	3561 bp
RefSeq ORF:	2742 bp
Locus ID:	192197
Cytogenetics:	11 C
Gene Summary:	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]

Product images:



Circular map for MG218154