

Product datasheet for **MG216654**

Bcas3 (NM_138681) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bcas3 (NM_138681) 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:

>MG216654 representing NM_138681
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATGAAACAATGGCTACAGATTCTCCTCGGAGACCCAGTCGTTGACTGGCGGAGTCGTGGTCCGCC
 CTCAGGCCGTACGGAGCAGTCCTACATGGAGAGCGTCGTGACTTTTCTGCAGGATGTTGTGCCACAGGC
 TTACAGTGGGTCTCCCCTAACAGAAAGAAAAGGAGAAGATAGTCTGGGTACAGATTTGAGAATGCAGATCTG
 AACGACACATCACGGAATCTAGAATTTTCACTGAAGTGCATAGCACTGGAAATGAGCCTCCTCTGCTGGTTA
 TGATCGGTACAGTGACGGAATGCAGGTCTGGGCATCCCTATCAGCGGGGAAGCCAGGAGCTCTTCTC
 TGTACGACATGGTCCAGTCCGAGCAGCTAGAATCTTGCCTGCTCCACAGTTGGTGCCAAAAAGTGTGAT
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 TTATGATCTTCACTGTAACAAGCGGATCCTCGTGTAGTCTTGCAGGAGAAAATTGCTGCCTTTGATAGC
 TGTAATTTTCAAAAAAATTTTTGTACAAAGTTGTTATCCTTGTCTGGCCAAACATGAATCCCATTG
 CTCTTGGGAGCCGCTGGCTTGTATGCAGAAAATAAGCTGATTTCGCTGTACCAGTCCCCTGGAGGAGC
 CTGTGGAGACAACATTCAGTCTTACACTGCCACTGTCTTAGTGTGCTAAAAACTGAAAAGTGGCCTG
 ACGATGGTTGGGAAAGTGGTGACTCAACTGACAGGCACACTGCCCTCAGGGGTGACAGAAGATGACGTTG
 CCCTACACTGCAACTCAAGACGGAGCCCCTTGGTTCAGGCATCATCACAGTATAGACACTGAGACGGT
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 GAGAAGCCAGTATGCTGTATGGCTTTAATACTAGTGAATGCTTTTAGTCACAACAGACTCTTGGCC
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 CACACTTCACAGGGGAGAGACCGAGCCAAAGTTCAGGACATCTGTTTCAGCCATGATTGTCGTTGGGTG
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 GGCTCCCCGCTGCATGGGAAAGTGAACAGCAAGACTCTTACAATAACTTTACAACAACAACCCCTGGCA
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 ACTGGGAACCATCAGGAAGCGAACAGGGCCTTATCTCTTGGAGCGGGTGTTTTTCCATAAAGGCTCCA
 TGCAAAGTTAAATCACCTCCACAATTTCTCAAGCAAATCAATGGGCGGTGAGTTTTGCGTGGCTGCAG
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 AGTTGTAGTTGAATCTCTTTACATCATCAGCTGCTACGGGACCTTAGTGGAGCACATGATTGAGCCCGG
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 AGTGACCGATGCTGCCTCAGGTACCTTTGACCGGAGCGTACCCTGCTGGAGGTGTGTTGGAGCTGGCCT
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 CGAGACTCTGAGTAACAGCTCCGGCTCCACCAGCGGCAGCATCCCAAGAACTTCGATGGCTACCGATCT
 CCGCTCCCTACCAACGAGAGCCAGCCGCTCAGCCTCTTCCCCTGGCTTCCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216654 representing NM_138681
 Red=Cloning site Green=Tags(s)

MNETMATDSPRRPSRCTGGVVVRPQAVTEQSYMESVVTFLQDVVPQAYSGSPLTEEKEKIVVWRFENADL
 NDTSRNLEFHELHSTGNEPPLLVMIGYSDGMQVWGIPISGEAQELFSVRHGPVRAARILPAPQLGAQKCD
 NFAEKRPLLGVCKSIGSSGTTTPPYCCVDLYSLRTGEMVKS IQFKTPIYDLHCNKRILVVVLQEKIAAFDS
 CTFTKKFFVTSCYPCGPNMNPIALGSRWLAYAENKLRCHQSRGGACGDNIQSYTATVLSAAKTLKSGL
 TMVGKVVVTQLTGLTPSGVTEDDVALHCNSRRSPLVPGIITVIDTETVGEQQLVSESDSDSGIVAHFPAH
 EKPVCCMAFNSTGMLLVTTDTLGHDFHVFIQILTHPWSSSQCAVHHLTYLHRGETEAKVQDICFSDHCRWV
 VVSTLRGTSHVFPINPYGGQPCVRTHMSPRVVNRMSRFQKSAGLEEIEQELTSKQGGRCSPVPLSSSPS
 GSPLHGKLT SQDSYNNFTNNNPGNPRLSPLPSLMVVTPLAQIKQPMTLGTITKRTGPYLF GAGCFSIKAP
 CKVKSPQISPSKSMGGEFCVAAVFGTSRSWFANNAGLKREKDQSKQVVVESLYIISCYGTLVEHMI EPR
 PISTAPKISDDTPLEIMTSPRASWTLVRTPQWNELOPPFNANHPLLLLAAEAVQYYQLLLAGSLPPGSPGP
 ITRHGSYDSLADHSGQEEDEEWSQVEIVTHTGPHRRLLWMGPQFHFKTIQTSGQTTVISTSSSVLQSHGP
 SDTPQPLLDFTDDLNLRIQPVRS DPVSMGSSRAVSDRRGVSTVTD AASGTFDRSVTLLEVC GSWP
 EGFGLRHMSMEHSEEGLRERLADAMAESP SRD VVGS GTELQREGSIETLSNSSGSGSIPRNF DGYRS
 PLPTNESQPLSLFPTGFP

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

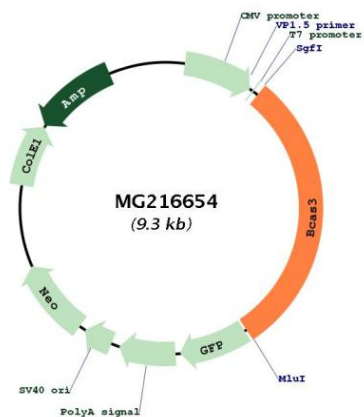
Cloning Scheme:



ACCN: NM_138681

ORF Size:	2784 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_138681.4 , NP_619622.3
RefSeq Size:	3692 bp
RefSeq ORF:	2787 bp
Locus ID:	192197
UniProt ID:	Q8CCN5
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 MG216654