

Product datasheet for **RG217141**

BCAS3 (NM_001099432) Human Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | BCAS3 (NM_001099432) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | BCAS3 |
| Synonyms: | GAOB1; MAAB |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>RG217141 representing NM_001099432
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGAATGAAGCTATGGCTACAGATTCCCAAGAAGACCCAGTCGTTGACTGGTGGAGTTGTGGTTCGCC
 CCCAGGCTGTACAGAGCAGTCCCTACATGGAAAGTGTGTGACTTTTCTGCAGGATGTTGTGCCACAGGC
 TTACAGTGGAAACCTCTAACAGAAAGAAAAGGAGAAAATAGTCTGGGTACAGATTTGAAAAATGCAGATTTA
 AATGATACATCAAGAAATCTGGAATTTTCAAGAAATACATAGTACTGGAAATGAACCGCCTTTGTTGATTA
 TGATTGGCTACAGTGTGAATGCAGGTCTGGAGCATCCCTATCAGTGGCGAAGCACAAGAGCTCTTCTC
 TGTTTCGACATGGCCCAATTCGAGCGGCTAGAATCTTGCCTGCTCCACAGTTTGGTGTCAAAAATGTGAT
 AACTTTGTGAAAAAGACCCCTCCTTGGTGTGTAAGAGCATTGGATCTTCTGGCACAAGCCACCGT
 ACTGTTGTGTGGATCTGTATTCCTTCTGACTGGGAGATGGTCAAGTCCATTCAATTTAAGACACCTAT
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 TGTAATTTACGAAGAAATCTTTGTTACAAGCTGCTATCCATGTCCAGGGCCAAACATGAATCCTATTG
 CTCTTGGGAGCCGCTGGCTTGTATGCAGAAAACAAGTTGATTTCGATGTCATCAGTCCCGTGGTGGAGC
 CTGTGGAGACAACATTCAGTCTTATACTGCCACAGTCATTAGTGTGCTAAAACATTGAAAAGTGGCCTG
 ACAATGGTAGGGAAAGTGGTGTGACTCAGTGTGACAGGCACACTGCCTTCAGTGTGACAGAAGATGATGTTG
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 TGGAGAGGGCCAGGTGCTTGTGAGTGAGGATTCTGACAGTGTGAGTGGTGGCCCACTCCCTGCCCAT
 GAGAAGCCAGTGTGCTGCATGGCTTTTAAACAAGTGAATGCTTCTAGTCACAACAGACACCCTTGGCC
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 TGAACAAGAACTGACGTCTAAGCAAGGAGGTGCTGTAGCCCTGTTCCAGGTCTATCAAGCAGCCCTTCT
 GGGTACCCTTGCATGGGAACTGAACAGCCAAGACTCCTATAACAATTTTACCAACAACAACCCTGGCA
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 ATTGGGGACCATACCAAACGAACCGGGCCTTATCTCTTGGAGCGGGTGTGTTTTCCATAAAAGCCCCA
 TGCAAAGTTAAACCTCCTCCACAATTTACCCAGCAAATCGATGGGCGGAGAATTTTGTGTGGCTGCTA
 TCTTCGGAACATCCAGGTGATGTTTGAATAATGCAGGTCTGAAAAGGAAAAAGATCAGTCCAAACA
 AGTTGTAGTTGAGTCCCTGTACATTATCAGTTGCTATGGCACCTTGTGGAACACATGATGGAGCCGCGA
 CCCCTCAGCACTGCACCAAGATTAGTGTGACACACCACTGGAATGATGACATCGCCTCGAGCCAGCT
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 AGTGACACGCCACAGCCTTTTTGGATTTTGTATACAGATGATCTTGTATCTCAACAGTCTCAGGATCCAGC
 CAGTCCGCTCTGACCCCGTCCAGCATGCCAGGGTATCCCGTCCAGTCTCTGATCGAAGGGGAGTTTCCAC
 AGTGATTGATGCTGCCTCAGGTACCTTTGACAGGAGCGTACCCTGCTGGAGGTGTGCGGGAGCTGGCCT
 GAGGGCTTCGGGCTGCGGCACATGTCTCCATGGAGCACACGGAGGAGGGCTCCGGGAGCGACTTGCCG
 ACGCCATGGCCGAGTACCTAGCCGGGACGTCTGTTGGATCCGGAACAGAATTCAGCGAGAGGGAAGCAT
 CGAGACTCTGAGTAACAGCTCAGGCTCCACCAGCGGCAGCATACCAAGAACTTTGATGGCTACCGATCT
 CCGCTGCCACCAATGAGAGCCAGCCCTCAGCCTCTTCCGACTGGCTTCCCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG217141 representing NM_001099432
 Red=Cloning site Green=Tags(s)

MNEAMATDSPRRPSRCTGGVVVRPQAVTEQSYMESVVTFLQDVVPQAYSGTPLTEEKEKIVVWRFENADL
 NDTSRNLEFHEIHSTGNEPPLLIMIGYSDGMQVWSIPIISGEAQELFSVRHGPIRAARILPAPQFGAQKCD
 NFAEKRPLLGVCKSIGSSGTPPYCCVDLYSLRTGEMVKSIFKTPYIDLHCNKRILVVVLQEKIAAFDS
 CTFTKKFFVTSCYPCPGPNMNPIALGSRWLAYAENKLRCHQSRGGACGDNIQSYTATVISAAKTLKSGL
 TMVGKVVTLQTLGTLPSGVTEDDVAIHSNSRRSPLVPGIITVIDTETVGEQQVLVSESDSDGIVAHFPAH
 EKPVCCMAFNSTGMLLVTTDTLGHDFHVFIQILTHPWSSSQCAVHHLTYLHRGETEAKVQDICFSDHCRWV
 VVSTLRGTSHVFPINPYGGQPCVRTHMSPRVVRNRSRFQKSAGLEEIEQELTSKQGGRCSPVPLSSSPS
 GSPLHGKLNQDSYNNFTNNNPGNPRLSPLPSLMVMPLAQIKQPMTLGITKRTGPYLFAGGCFSIKAP
 CKVKPPPQISPSKSMGGEFCVAAIFGTSRSWFANNAGLKREKDQSKQVVVESLYIISCYGTLVEHMMEP
 PLSTAPKISDDTPEMMTSPRASWTLVRTPQWNELOPPFNANHPLLLLAADAVQYYQFLLAGLVPPGSPGP
 ITRHGSYDSLADSHSGQEDEEWSQVEIVTHTGPHRRLLWMGPQFQFKTIHPSGQTTVISSSSSVLQSHGP
 SDTPQPLLDFTDDLNLRIQPVRSDPVSMGSSRPVSDRRGVSTVIDAASGTFDRSVTLLEVCGWSW
 EGFGLRHMSMEHTEEGLRERLADAMAESPVRDVGSGTELQREGSIETLSNSSGSTSGSIPRNFQGYRS
 PLPTNESQPLSLFPTGFP

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

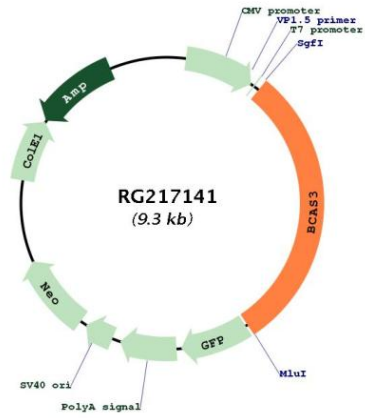
Cloning Scheme:



ACCN: NM_001099432

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|-------------------------------|---|
| 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_001099432.2 |
| RefSeq Size: | 3626 bp |
| RefSeq ORF: | 2787 bp |
| Locus ID: | 54828 |
| UniProt ID: | Q9H6U6 |
| Cytogenetics: | 17q23.2 |
| Gene Summary: | 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 (By similarity). Functions synergistically with PELP1 as a transcriptional coactivator of estrogen receptor-responsive genes. Stimulates histone acetyltransferase activity. Binds to chromatin. [UniProtKB/Swiss-Prot Function] |

Product images:



Circular map for RG217141