

## Product datasheet for **SC316849**

### BCAS3 (NM\_001099432) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BCAS3 (NM_001099432) Human Untagged Clone
Tag:	Tag Free
Symbol:	BCAS3
Synonyms:	GAOB1; MAAB
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_001099432 edited  
 ACTAGCGTTAACCGCGGGCGCGCGGTTTATGAATGAAGCTATGGCTACAGATCCCC  
 AAGAAGACCCAGTCGTTGTACTGGTGGAGTTGTGGTTCGCCCCAGGCTGTCACAGAGCA  
 GTCCTACATGGAAAGTGTGTGACTTTTCTGCAGGATGTTGTGCCACAGGCTTACAGTGG  
 AACACCTCTAACAGAAGAAAAGGAGAAAATAGTCTGGGTCAGATTTGAAAATGCAGATTT  
 AAATGATACATCAAGAAATCTGGAAATTCATGAAATACATAGTACTGGGAGTGAACCGCC  
 TTTGTTGATTATGATTGGCTACAGTGATGGAATGCAGGCTGGAGCATCCCTATCAGTGG  
 CGAAGCACAAGAGCTCTTCTGTTCGACATGGCCCAATTCGAGCGGCTAGAATCTTGCC  
 TGCTCCACAGTTTGGTGCTCAAAAATGTGATAACTTTGCTGAAAAAAGACCCCTCCTTGG  
 TGTTTGAAGAGCATTGGATCTTCTGGCACAAGCCACCGTACTGTTGTGTGGATCTGTA  
 TTCACTTCGTAAGGAGATGGTCAAGTCCATTCAATTAAGACACCTATTTATGATCT  
 CCATTGCAATAAACGGATCCTTGTCTGTAGTCTTGCAGGAGAAAATGCTGCCTTTGATAG  
 CTGACTTTCACGAAGAAATCTTTGTTACAAGCTGCTATCCATGTCCAGGGCCAAACAT  
 GAATCCTATTGCTCTTGGGAGCCGCTGGCTTGTATGCAGAAAACAAGTTGATTGATG  
 TCATCAGTCCCGTGGTGGAGCCTGTGGAGACAACATTCAGTCTTATACTGCCACAGTCAT  
 TAGTGTGCTGCTAAAACATTGAAAAGTGGCCTGACAAATGGTAGGGAAAGTGGTGACTCAGCT  
 GACAGGCACACTGCCTTCAGGTGTGACAGAAGATGATGTTGCCATCCACAGTAATTCACG  
 GCGGAGTCCTTTGGTCCCAGGCATCATCACAGTTATTGACACCGAAACCGTTGGAGAGGG  
 CCAGGTGCTTGTGAGTGAGGATTCTGACAGTGATGGCATTGTGGCCCACTTCCCTGCCCA  
 TGAGAAGCCAGTGTGCTGCATGGCTTTAATAACAAGTGGAAATGCTTCTAGTCACAACAGA  
 CACCCTTGCCATGACTTTCATGCTTCCAAATCTGACTCATCCTTGGTCTCATCACA  
 CATGTGCTTCCACCATCTGTATACTCTTACAGGGGAGAACTGAAGCCAAAGTACAGGA  
 CATCTGCTTCCAGCCATGACTGTGCTGGTGTGGTTCAGTACTTCCGGGGTACTTCCCA  
 CGTTTTCCCATCAACCCTTATGGTGGCCAGCCTTGTGTTTCGTACACATATGTCACCAG  
 AGTAGTGAATCGCATGAGCCGTTTCCAGAAAAGTGTGGACTGGAAGAGATTGAACAAGA  
 ACTGACGTCTAAGCAAGGAGGTGCTGTAGCCCTGTTCCAGGTCTATCAAGCAGCCCTTC  
 TGGGTACCCCTTGCATGGGAAACTGAACAGCCAAGACTCCTATAACAATTTACCAACAA  
 CAACCCTGGCAACCCTCGGCTCTCTCTCTTCCAGCTTGATGGTAGTGATGCCTCTTGC  
 ACAATCAAGCAGCCAATGACATTGGGGACCATCACAAACGAACCGGGCCTTATCTCTT  
 TGGAGCGGGTGTTTTTCCATAAAAGCCCCATGCAAAGTAAACCTCCTCCACAAATTTT  
 ACCCAGCAAAATCGATGGGCGGAGAAATTTGTGTGGCTGCTATCTTCGGAACATCCAGGTC  
 ATGGTTTTGCAAAATGATGAGGTCTGAAAAGAGAAAAGATCAGTCCAAACAAGTTGTAGT  
 TGAGTCCCTGTACATTATCAGTTGCTATGGCACCTTAGTGGAAACACATGATGGAGCCGG  
 ACCCCTCAGCACTGCACCAAGATTAGTGACGACACACCACTGGAAATGATGACATCGCC  
 TCGAGCCAGCTGGACTCTGGTTAGAACCCTCAATGGAATGAATTGCAGCCACCGTTTAA  
 TGCAAACCACCCTCTGCTCCTCGCTGCAGATGCAGTACAGTATTATCAGTTCTGCTTGC  
 TGGCCTGGTTCCTTGGAAAGTCTGGGCCATTACTCGACATGGGTCTTACGACAGTTT  
 AGCTTCTGACCATAGTGGACAGGAAGATGAAGAATGGCTTTCCAGGTTGAAATGTAAC  
 ACACACTGGACCCCATAGACGTCTGTGGATGGGTCCACAGTTCAGTTCAAACCATCCA  
 TCCCTCAGGCCAAACCACAGTTATCTCATCCAGTTCATCTGTGTTGCAGTCTCATGGTCC  
 GAGTGACACGCCACAGCCTCTTTGGATTTTGATACAGATGATCTTGATCTCAACAGTCT  
 CAGGATCCAGCCAGTCCGCTCTGACCCCGTCAGCATGCCAGGTCATCCCGTCCAGTCTC  
 TGATCGAAGGGGAGTTTCCACAGTGATTGATGCTGCCTCAGGTACCTTTGACAGGAGCGT  
 GACCCTGTGGAGGTGTGCGGGAGCTGGCCTGAGGGCTTCGGGCTGCGGCACATGCTCTC  
 CATGGAGCACACGGAGGAGGGCCTCCGGGAGCGACTTGCCGACGCCATGGCCGAGTCACC  
 TAGCCGGGACGTCGTGGATCCGGAACAGAACTTCAGCGAGAGGGAAGCATCGAGACTCT  
 GAGTAACAGCTCAGGCTCCACCAGCGGCAGCATACCAAGAACTTTGATGGCTACCGATC  
 TCCGCTGCCCAATGAGAGCCAGCCCTCAGCCTCTTCCCGACTGGCTTCCCGTAGGT  
 ACCAGCAACCTGCTTCTGACTGGCCAGCCCTCCCTGCTGGAGGAGGGGAGAAGCCCC  
 GCTCTGGTC

**Restriction Sites:** Please inquire

<b>ACCN:</b>	NM_001099432
<b>Insert Size:</b>	2900 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>OTI Annotation:</b>	The ORF of this clone has been fully sequenced and found to contain one SNP compared with NM_001099432.1.
<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>	<u>NM_001099432.1, NP_001092902.1</u>
<b>RefSeq Size:</b>	3626 bp
<b>RefSeq ORF:</b>	2787 bp
<b>Locus ID:</b>	54828
<b>UniProt ID:</b>	<u>Q9H6U6</u>
<b>Cytogenetics:</b>	17q23.2
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) has multiple differences in the coding region, compared to variant 3. Isoforms 1 and 3 are the same length but have distinct C-termini.</p>