

## Product datasheet for **SC126955**

### **BCAS3 (NM\_017679) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	BCAS3 (NM_017679) Human Untagged Clone
Tag:	Tag Free
Symbol:	BCAS3
Synonyms:	GAOB1; MAAB
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL6</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC126955 sequence for NM\_017679 edited (data generated by NextGen Sequencing)

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ATGAATGAAGCTATGGCTACAGATTCCCCAAGAAGACCCAGTCGTTGACTGGTGGAGTT
GTGGTTCGCCCCAGGCTGTACAGAGCAGTCCTACATGGAAAGTGTGTGACTTTTCTG
CAGGATGTTGTGCCACAGGCTTACAGTGGAACCTCTAACAGAAGAAAAGGAGAAAATA
GTCTGGGTGAGATTTGAAAATGCAGATTTAAATGATACATCAAGAAATCTGGAATTCAT
GAAATACATAGTACTGGGAGTGAACCCGCTTTGTTGATTATGATTGGCTACAGTGATGGA
ATGCAGGTCTGGAGCATCCCTATCAGTGGCGAAGCACAAGAGCTCTTCTCTGTTGACAT
GGCCCAATTTCGAGCGGCTAGAATCTTGCCTGCTCCACAGTTTGGTGTCAAAAATGTGAT
AACTTTGCTGAAAAAAGACCCCTCCTTGGTGTGTTAAGAGCATTGGATCTTCTGGCACA
AGCCCACCGTACTGTTGTGTGGATCTGTATTCACCTTCGTAAGGGGAGATGGTCAAGTCC
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TTGCAGGAGAAAATTGCTGCCTTGTAGCTGTACTTTCACGAAGAAATCTTTGTTACA
AGCTGCTATCCATGTCCAGGGCCAAACATGAATCCTATTGCTCTTGGGAGCCGCTGGCTT
GCTTATGCAGAAAACAAGTTGATTCGATGTCATCAGTCCCGTGGTGGAGCCTGTGGAGAC
AACATTAGTCTTATACTGCCACAGTCATTAGTGTGCTAAAACATTGAAAAGTGGCCTG
ACAATGGTAGGAAAGTGGTGAAGTCAAGTGCAGCTGACAGGCACACTGCCTTCAGGTGTGACAGAA
GATGATGTTGCCATCCACAGTAATTCACGGCGGAGTCCTTTGGTCCCAGGCATCATCACA
GTTATTGACACCGAAACCGTTGGAGAGGGCCAGGTGCTTGTGAGTGAGGATTCTGACAGT
GATGGCATTGTGGCCACTTCCCTGCCCATGAGAAGCCAGTGTGCTGCATGGCTTTAAT
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AGGGGAGAAAACGAAGCAAAGTACAGGACATCTGCTTCAGCCATGACTGTGCTGGGTT
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CCTTGTGTTGTCATACATATGTCACCACGAGTAGTGAATCGCATGAGCCGTTTCCAGAAA
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CCTGTTCCAGGTCTATCAAGCAGCCCTTCTGGGTACCCTTGCATGGGAAACTGAACAGC
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CCCAGCTTGATGGTAGTGATGCCTTTCACAAAATCAAGCAGCCAATGACATTGGGGACC
ATCACCAAACGAACCGGCAAAGTAAACCTCCTCCAAAATTTACCCAGCAAATCGATG
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GCAGGTCTGAAAAGAGAAAAGATCAGTCCAAACAAGTTGTAGTTGAGTCCCTGTACATT
ATCAGTTGCTATGGCACCTTAGTGGAACACATGATGGAGCCGCGACCCCTCAGCACTGCA
CCCAAGATTAGTGACGACACACCACTGGAAATGATGACATCGCCTCGAGCCAGCTGGACT
CTGGTTAGAACCCTCAATGGAATGAATTGCAGCCACCGTTTAAATGCAAACCACCCTCTG
CTCCTCGCTGCAGATGCAGTACAGTATTATCAGTTCCTGCTTGTGTCGCTGGTTCCTCCCT
GGAAGTCTGGGCCATTACTCGACATGGGTCTTACGACAGTTTAGCTTCTGACCATAGT
GGACAGGAAGATGAAGAATGGCTTTCCAGGTTGAAATGTAACACACACTGGACCCCAT
AGACGTCGTGGATGGGTCCACAGTCCAGTTCAAAACCATCCATCCCTCAGGCCAAAAC
ACAGTTATCTCATCCAGTTCATCTGTGTTGCAGTCTCATGGTCCGAGTGACACGCCACAG
CCTCTTTTGGATTTTGTACAGATGATCTTGTATCTCAACAGTCTCAGGATCCAGCCAGTC
CGCTCTGACCCCGTCAGCATGCCAGGTGATCCCGTCCAGTCTCTGATCGAAGGGGAGTT
TCCACAGTGATTGATGCTGCCTCAGGTACCTTTGACAGGAGCGTGACCCTGCTGGAGGTG
TGCGGGAGCTGGCCTGAGGGCTTCGGGCTGCGGCACATGTCTCCATGGAGCACACGGAG
GAGGGCTCCGGGAGCGACTTGGCCAGCCATGGCCGAGTACCTAGCCGGGACGTCGTG
GGATCCGGAACAGAACTTCAGCGAGAGGGAAGCATCGAGACTCTGAGTAACAGCTCAGGC
TCCACCAGCGGCAGCATACCAAGAACTTTGATGGCTACCGATCTCCGCTGCCACCAAT
GAGAGCCAGCCCCTCAGCCTCTTCCGACTGGCTTCCCGTAG

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Clone variation with respect to NM\_017679.3  
260 a=>g

<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_017679 unedited            CCCGCAATTACCCCGCCCGTTGCCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTAT            ATAAGCAGAGCTCAGTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCG            GCCGCGAATTCGGCACGAGGAACCGGGGGCGCCGGTTTTATGAATGAAGCTATGGCT            ACAGATCCCCAAGAAGACCCAGTCGTTGACTGGTGGAGTTGTGGTTCGCCCCCAGGT            GTCACAGAGCAGTCTACATGGAAGTGTGACTTTTTCTGCAGGATGTTGTGCCACAG            GCTTACAGTGGAACACCTCTAACAGAAGAAAAGGAGAAAATAGTCTGGGTGAGATTTGAA            AATGCAGATTTAAATGATACATCAAGAAATCTGGAATTCATGAAATACATAGTACTGGG            AGTGAACCGCCTTTGTTGATTATGATTGGCTACAGTGATGGAATGCAGGTCTGGAGCATC            CCTATCAGTGGCGAAGCACAAGAGCTCTTCTGTTCGACATGGCCCAATTCGAGCGGCT            AGAATCTTGCCTGCTCCACAGTTTGGTGTCAAAAATGTGATAACTTTGCTGAAAAAAGA            CCCCTCCTTGGTGTGTAAGAGCATTGGATCTTCTGGCACAAGCCACCGTACTGTTGT            GTGGATCTGTATTCACTTCGACTGGGGAGATGGTCAAGTCCATTCAATTTAAGACACCT            ATTTATGATCTCCATTGCAATAAACGGATCCTTGTGCTAGTCTTGCAGGAGAAAATTGCT            GCCTTTGATAGCTGTACTTTACGAGNACATCTTGTACCAGCTGCTATCCATGTCAG            NGCCAAACATGAATNCTAGTGCTCTTGGCAGCCGCTGGCTTGCTTATGCAGAA</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_017679 unedited            ACCTTTGGGTGNCTGTCGTCCCATTTATTTGGGGCATGNACGTTGCACTTCTTCAACAGG            GGCCTCAGTAACCACTGTTTCCTTCACTGATCAGTACAGGACCAGGTAAGGGGCTTAA            AGATAAGAAAGACAAACTCTTCCAGGAACAGATGGGGAAGAAAGGAGGAAGAAGAGGC            ATGTCCTCCCTTCTCCTCCCTAGTACTCTGGGCCTCCGTTACCCCGTCTGGAGTGG            GGCTGACCAAGGAAGCTGGGGGAGTGTGTGTCACAGCCAGACATGAGCTGAGGCTGTG            ACTGTCCACTCAGGGTCAAAATGGCCAGGTGGACGATCAACTCTGTCCCACTCAGGCC            CCAGATCTGGTCACTGTTCCAGGCTCCCCCACCAGCCCGCCACCGTGGGTATGGTAAAAA            ATACAAAAGCGGATCCAATGCAGGATGTCATATGCAAACATACACAGGGACCGAGCTCTT            ACAGTCTCTCCTGGCCACAGCCTCCACCACAGGTGTGGCAGAGGGCAAGTGCCTGAGG            TGCTTGGAGAAGGGTCTCTTCCATCCAGGTAGGATGGGCGGCTGCTGTCACTAAGCTT            GGGGAAGGTGGTTGATGAAGGAAGAGCAGAGACTGAAGGTTAGGACCAGAGCGGGCTTC            TCCCCTCCTCCAGCAGGGGAGGGGCTGGCCAGTCAGAAGCATGTTGCTGGTTCCTACGG            GAAGCCAGTCGGGAAGAGGCTGAGGGGCTGCTTCCATTGGTGGGAGCCGAGATCGGAGCC            ATCAAATTTCTTGGATGCTGCCCTGGTGGGCTGGACTGTACCCAGAGTCCGAGGCTTCC            CCTCCTTAAGTTTTGTCCGGATCCCCGCCCCCGGAGGTAAGTCCGGCTGGCGTCCGGAAG            TCGTCCCGGAGGCCTCTCT</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_017679
<b>Insert Size:</b>	4000 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>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).

**Reconstitution Method:**

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\\_017679.2](#), [NP\\_060149.2](#)

**RefSeq Size:** 3514 bp

**RefSeq ORF:** 2742 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]  
Transcript Variant: This variant (2) lacks alternate in-frame exons in the 3' coding region, compared to variant 3, resulting in a shorter protein (isoform 2), compared to isoform 3.