**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for SC112689

## BCAS2 (NM_005872) Human Untagged Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | BCAS2 (NM_005872) Human Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | BCAS2 |
| **Synonyms:** | DAM1; Snt309; SPF27 |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pCMV6-XL5 |
| **E. coli Selection:** | Ampicillin (100 ug/mL) |
| **Fully Sequenced ORF:** | >NCBI ORF sequence for NM_005872, the custom clone sequence may differ by one or more nucleotides |

ATGGCGGGCACAGGTTTGGTGGCTGGAGAGGTTGTGGTGGATGCGCTGCCGTATTTTGATCAAGGTTATG
AAGCCCCTGGTGTGCGGGAAGCGGCTGCAGCGCTGGTGGAGGAGGAAACTCGCAGATACCGACCTACTAA
GAACTACCTGAGCTACCTGACAGCCCCGGATTATTCTGCCTTTGAAACTGACATAATGAGAAATGAATTT
GAAAGACTGGCTGCTCGACAACCAATTGAATTGCTCAGTATGAAACGATATGAGCTTCCAGCCCCCTCCT
CTGGTCAAAAAAATGACATTACTGCATGGCAAGAATGTGTAAACAATTCTATGGCCCAGTTAGAGCATCA
AGCAGTTAGAATTGAGAATCTGGAACTAATGTCACAGCATGGATGTAATGCCTGGAAAGTATACAATGAA
AATCTAGTTCATATGATTGAACACGCACAGAAGGAACTTCAGAAGTTAAGAAAACATATTCAAGATTTAA
ACTGGCAGAGAAAGAACATGCAACTCACAGCTGGATCTAAATTGAGAGAAATGGAGTCAAATTGGGTATC
CCTGGTCAGTAAGAATTATGAGATTGAACGGACTATTGTTCAGCTAGAAAATGAAATCTATCAAATTAAG
CAGCAACATGGAGAGGCAAACAAAGAAAACATCCGGCAAGACTTCTGA



View online »

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM_005872 unedited
ATAGGGCGGCCGCGAATTCGCACGAGGCTGAGGTCCTCAGATGGCGGGCACAGGTTTGGT
GGCTGGAGAGGTTGTGGTGGATGCGCTGCCGTATTTTGATCAAGGTTATGAAGCCCCTGG
TGTGCGGGAAGCGGCTGCAGCGCTGGTGGAGGAGGAAACTCGCAGATACCGACCTACTAA
GAACTACCTGAGCTACCTGACAGCCCCGGATTATTCTGCCTTTGAAACTGACATAATGAG
AAATGAATTTGAAAGACTGGCTGCTCGACAACCAATTGAATTGCTCAGTATGAAACGATA
TGAGCTTCCAGCCCCCTCCTCTGGTCAAAAAAAATGACATTACTGCATGGCAAGAATGTG
TAAACAATTCTATGGCCCAGTTAGAGCATCAAGCAGTTAGAATTGAGAATCTGGAACTAA
TGTCACAGCATGGATGTAATGCCTGGAAAGTATACAATGAAAATCTAGTTCATATGATTG
AACACGCACAGAAGGAACTTCAGAAGTTAAGAAAACATATTCAAGATTTAAACTGGCAGA
GAAAGAACATGCAACTCACAGCTGGATCTAAATTGAGAGAAATGGAGTCAAATTGGGTAT
CCCTGGTCAGTAAGAATTATGAGATTGAACGGACTATTGTTCAGCTAGAAAATGAAATCT
ATCAAATTAAGCAGCAACATGGAGAGGCAAACAAAGAANACATCCGGNCAGACTTCTGAA
AAGACAATTTAGCAGGTAGAAGAAAAGTTTGGGCTTTCACAAAGGCATCTGAACTTTTTA
TGAACTGTNGAAGGACAACAGCATCTTTCCAAACCATTGATGGTTTTAGTGTTTAGAAAT
CT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM_005872 unedited
GCAATTTAGNATCGAGTTTTTTTTTTTTTTTTTTGTGAGGACCAAATAATTTTTATTCAC
ATACATCTAGTTCATCTACCTAAAGTGTTCAGAACAATGTTCAGCACATATTAAGCTTGA
TATAACTGTTACCTATGATGATGACGATGATGATGATAATGATAACTGTACAGTCACTGT
CTTTCTGAAGTTGTTTGGTGATCAAGAATGTGTTTAGAACTATCTCTTTATTAGACAAAG
TCATAAACCAAAAATTTCCAACTTCCTGTACATGTTGAAAGCTTTAAATAAGGATCCTTG
GATACAAAATATGGTCCACATGGCTGAAAATTAATTCTATGACACAATATTATTCTAAAG
TCATCCTTATTTTGAAAGCCTAAAGATTTTCTTTTATGGCTATAAAAATACCACCAAGCT
AGACATTTTAATTCTGTTGAGATATACAAATAGAATTACCACAGCAGCCTACACCTTCTA
TGATTTCTAAACACTTAAACATCAATGGTTTTGGGAAGATGCTGTTGTCCTTCACAGTTC
ATTAAAAGTTCAGATGCCTTTTGTGAAAGCCCAACTTTTCTTCTACCTGCTAAATTGTCT
TTTCAGAAGTCTTGCCGGATGTTTTCTTTGTTTGCCTCTCCATGTTGCTGCTTAATTTGA
TAGATTTCATTNTCTAGCTGAACAATAGTCCGTTCAATCTCATAATTCTTACTGACCAGG
GATACCCAATTTGACTNCATTTCTCTCAATTTAGATCCAGCTGTGAGTTGCATGTTCTTT
CTCTGCAGTTTAAATCTTGATATGTTTTCTTACTTCTGAAGTCCTTCTGGGCGTGTTCAT
CATATGAACTAGATTTCATTGATACTTTTCAGCATTAATNCATGCTGTGACATAGTCCAG
ATCTCAATCTACTGCTGAGCTCTACTGGCATANAATGTTACCATCCTGCTGCATATGTCA
TTTTTTGACAGAGAGGGCTGAGCTCATTCGTCTACGACATT

**Restriction Sites:** NotI-NotI

**ACCN:** NM_005872

**Insert Size:** 1280 bp

**OTI Disclaimer:** 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).

**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:** | 1. Centrifuge at 5,000xg for 5min.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_005872.2, NP_005863.1 |
| **RefSeq Size:** | 1310 bp |
| **RefSeq ORF:** | 678 bp |
| **Locus ID:** | 10286 |
| **UniProt ID:** | O75934 |
| **Cytogenetics:** | 1p13.2 |
| **Protein Pathways:** | Spliceosome |
| **Gene Summary:** | Required for pre-mRNA splicing as component of the activated spliceosome (PubMed:28502770, PubMed:28076346, PubMed:29360106, PubMed:29301961, PubMed:30705154). Component of the PRP19-CDC5L complex that forms an integral part of the spliceosome and is required for activating pre-mRNA splicing. May have a scaffolding role in the spliceosome assembly as it contacts all other components of the core complex. The PRP19-CDC5L complex may also play a role in the response to DNA damage (DDR). [UniProtKB/Swiss-Prot Function] |