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 SC332762

BCAR3 (NM_001261409) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BCAR3 (NM_001261409) Human Untagged Clone
Tag:	Tag Free
Symbol:	BCAR3
Synonyms:	AND-34; MIG7; NSP2; SH2D3B
Vector:	pCMV6-Entry (PS100001)

View online »

Fully Sequenced ORF:

>SC332762 representing NM_001261409.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGCTGCAGGAAAATTTGCAAGCCTTCCCAGAAACATGCCGGTGAATCACCAGTTCCCCCTGGCCTCA
TCCATGGACCTTCTGAGCAGCAGGTCCCCTCTCGCTGAGCATCGCCCAGATGCCTATCAAGATGTGTCT
ATACATGGCACCCTTCCACGGAAGAAAAAAGGTCCTCCTCCCATAAGGTCCTGTGATGACTTCAGTCAC
ATGGGCACCCTCCCCCACTCCAAATCCCCACGGCAGAACTCGCCTGTGACCCAGGATGGCATCCAGGAG
AGCCCATGGCAGGACCGGCACGGCGAAACCTTCACCTTCAGGGATCCACATCTTCTGGACCCAACTGTG
GAATATGTGAAGTTCTCCAAGGAGAGGCACATCATGGACAGGACCCCCGAGAAACTGAAGAAGGAGCTG
GAGGAGGAGCTGCTCCTGAGCAGCGAGGACCTGCGCAGCCATGCCTGGTACCACGGCCGCATCCCCCGA
CAGGTGTCTGAAAACCTTGTGCAGCGAGATGGTGACTTCCTAGTTCGTGACTCTCTGTCCAGCCCTGGG
AACTTTGTCCTGACCTGTCAGTGGAAGAACCTCGCTCAGCACTTCAAAATCAACCGGACAGTTCTGCGA
CTCAGCGAGGCCTACAGCCGCGTGCAGTACCAGTTCGAGATGGAGAGCTTCGACTCCATCCCCGGCCTG
GTGCGCTGCTACGTGGGCAACCGCCGGCCCATCTCCCAGCAGAGTGGCGCCATCATCTTCCAGCCCATC
AACAGGACGGTGCCTCTGCGGTGCCTGGAGGAGCATTATGGCACCTCCCCAGGCCAGGCCCGGGAGGGC
AGCCTCACCAAGGGAAGGCCGGATGTGGCCAAGAGGCTGAGCCTCACCATGGGTGGCGTCCAGGCCCGA
GAGCAGAATTTGCCCAGGGGAAACCTCCTCAGAAACAAAGAAAAGAGTGGTAGCCAGCCCGCCTGCCTG
GATCACATGCAGGACAGAAGAGCCTTGTCCCTCAAAGCCCACCAGTCAGAGAGCTACCTGCCGATTGGC
TGCAAGCTGCCACCTCAGTCCTCGGGTGTGGACACAAGCCCCTGCCCAAACTCACCTGTGTTCAGGACG
GGAAGCGAGCCTGCCCTGAGCCCAGCAGTGGTTCGGAGGGTCTCCTCAGACGCCAGGGCTGGGGAGGCG
CTGAGGGGATCAGACAGTCAACTGTGCCCTAAGCCCCCGCCTAAGCCCTGCAAGGTGCCGTTCCTCAAG
GTTCCCTCGTCTCCCTCTGCCTGGCTCAACTCAGAGGCCAACTACTGTGAACTGAACCCAGCGTTTGCC
ACAGGCTGCGGCAGGGGAGCAAAGCTACCCTCATGTGCCCAGGGAAGCCACACAGAACTGCTCACAGCC
AAGCAGAATGAGGCGCCAGGTCCCCGGAACTCTGGCGTCAACTACTTGATCCTTGATGATGATGACAGG
GAAAGACCTTGGGAACCTGCGGCAGCTCAGATGGAGAAGGGGCAGTGGGACAAGGGCGAGTTTGTGACG
CCCCTCCTGGAGACTGTCTCCTCCTTCAGGCCCAACGAGTTTGAGTCAAAGTTCCTTCCCCCTGAGAAT
AAGCCCCTGGAAACAGCAATGTTGAAACGTGCAAAAGAACTGTTCACCAACAACGACCCCAAGGTCATC
GCCCAGCACGTACTGAGCATGGACTGCAGGGTTGCTAGGATACTTGGAGTCTCTGAAGAGATGAGGAGG
AACATGGGGGTGAGCTCAGGCCTGGAACTCATTACCTTGCCTCACGGACACCAGCTGCGCCTGGACATA
ATTGAAAGACACAACACAATGGCCATCGGCATTGCAGTGGACATTCTGGGATGCACGGGCACTTTGGAG
GACCGAGCGGCCACTCTGAGTAAGATCATCCAGGTGGCGGTGGAACTGAAGGATTCCATGGGGGACCTC
TATTCCTTCTCAGCTCTCATGAAAGCCCTGGAAATGCCACAGATCACAAGGTTAGAAAAGACGTGGACT
GCTCTGCGGCACCAGTACACCCAAACTGCCATTCTCTATGAGAAACAGCTGAAGCCCTTCAGCAAACTC
CTGCATGAAGGCAGAGAGTCCACATGTGTTCCCCCAAACAATGTATCAGTCCCACTGCTGATGCCGCTT
GTGACGTTAATGGAGCGCCAGGCTGTGACTTTTGAAGGAACCGACATGTGGGAAAAAAACGACCAGAGC
TGTGAAATCATGCTGAACCATTTGGCAACAGCGCGATTCATGGCCGAGGCTGCAGACAGCTACCGGATG
AATGCTGAGAGGATCCTGGCAGGTTTTCAACCAGATGAAGAAATGAATGAAATCTGCAAGACTGAATTT
CAAATGCGATTGCTATGGGGCAGCAAAGGTGCACAAGTCAATCAGACAGAGAGATATGAGAAATTCAAC
CAGATTTTAACTGCCCTCTCGCGTAAATTGGAACCTCCTCCTGTAAAGCAGGCAGAGCTTTGA

Restriction Sites: SgfI-MluI

ACCN: NM_001261409

Insert Size: 2478 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. 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_001261409.1
RefSeq Size:	3226 bp
RefSeq ORF:	2478 bp
Locus ID:	8412
UniProt ID:	O75815
Cytogenetics:	1p22.1
Protein Families:	Druggable Genome
MW:	92.6 kDa
Gene Summary:	Breast tumors are initially dependent on estrogens for growth and progression and can be inhibited by anti-estrogens such as tamoxifen. However, breast cancers progress to become anti-estrogen resistant. Breast cancer anti-estrogen resistance gene 3 was identified in the search for genes involved in the development of estrogen resistance. The gene encodes a component of intracellular signal transduction that causes estrogen-independent proliferation in human breast cancer cells. The protein contains a putative src homology 2 (SH2) domain, a hall mark of cellular tyrosine kinase signaling molecules, and is partly homologous to the cell division cycle protein CDC48. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2012] Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein (isoform 1).