

Product datasheet for **SC117845**

NABC1 (BCAS1) (NM_003657) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NABC1 (BCAS1) (NM_003657) Human Untagged Clone
Tag:	Tag Free
Symbol:	NABC1
Synonyms:	AIBC1; NABC1; PMES-2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_003657, the custom clone sequence may differ by one or more nucleotides

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ATGGGTAACCAAATGAGTGTTCCTCCAAAGAGTTGAAGACCAAGAGAATGAACCAGAAGCAGAGACTTACC
AGGACAACGCGTCTGCTCTGAACGGGGTCCAGTGGTGGTGTGACCCACACAGTTCAGCACTTAGAGGA
AGTCGACTTGGGAATAAGTGTCAAGACGGATAATGTGGCCACTTCTTCCCCGAGACAACGGAGATAAGT
GCTGTTGCGGATGCCAACGGAAAGAATCTTGGAAAGAGGCCAAACCCGAGGCACCAGCTGCTAAATCTC
GTTTTTTCTTGATGCTCTCTCGGCTGTACCAGGACGTACCGGAGACCAAGCCGAGATTTCATCCCTTGG
ATCAGTGAAGCTTGATGTCAGCTCCAATAAAGCTCCAGCGAACAAAGACCCAAGTGAGAGCTGGACACTT
CCGGTGGCAGCTGGACCGGGGCAGGACACAGATAAAAACCCAGGGCAGCCCCGGCCCAAGACAAGGTCC
TCTCTGCCGCCAGGGATCCCACGCTTCTCCACCTGAGACAGGGGAGCAGGAGGAGAAGCTCCCTCCA
GCCAAGGACTCCAGCTTTTTTGACAAATCTTCAAGCTGGACAAGGGACAGGAAAAGGTGCCAGGTGAC
AGCCAACAGGAAGCCAAGAGGGCAGAGCATCAAGACAAGGTGGATGAGGTTCTGGCTTATCAGGGCAGT
CCGATGATGTCCCTGCAGGAAGGACATAGTTGACGGCAAGGAAAAGAAGGACAAGAATTGGAAGTGC
GGATTGCTCTGTCCCTGGGGACCCAGAAGGACTGGAGACTGCAAAGGACGATTCCAGGCAGCAGCTATA
GCAGAGAATAATAATCCATCATGAGTTTCTTTAAAACCTGGTTTCACCTAACAAAGCTGAAACAAAA
AGGACCCAGAAGACACGGGTGCTGAAAAGTCAACCACCACTTCAGCTGACCTTAAGTCAGACAAAGCCAA
CTTTACATCCCAGGAGACCCAAGGGGCTGGCAAGAATTCCAAAGGATGCAACCCATCGGGGCACACACAG
TCCGTGACAACCCCTGAACCTGCGAAGGAAGGCACCAAGGAGAAATCAGGACCCACCTCTCTGCCTCTGG
GCAAACTGTTTTGGAAAAAGTCAGTTAAAGAGGACTCAGTCCCCACAGGTGCGGAGGAGAATGTGGTGTG
TGAGTCACCAGTAGAGATTATAAAGTCCAAGGAAGTGAATCAGCCTTACAAACAGTGGACCTCAACGAA
GGAGATGCTGCACCTGAACCCACAGAAGCGAAACTCAAAGAGAAGAAAGCAACCAAGAACTCTCTGTA
TGGCGTTTTCTCAGACAAATGTCAGTGAAGGGGATGGAGGGATCACCCACTCAGAAGAAATAAATGGGAA
AGACTCCAGCTGCCAAACATCAGACTCCACAGAAAAGACTATCACACCGCCAGAGCCTGAACCAACAGGA
GCACCACAGAAGGGTAAAGAGGGCTCCTCGAAGGACAAGAAGTCAGCAGCCGAGATGAACAAGCAGAAGA
GCAACAAGCAGGAAGCCAAAGAACCAGCCAGTGCACAGAGCAGGCCACGGTGGACACGAACTACTGCA
GAATGGGACAAGCTCCAAAAGAGACTGAGAAGCGGCAGCAGTCCCTTGGGGGCTTCTTTAAAGGCCTG
GGACCAAAGCGGATGTTGGATGCTCAAGTGCAAACAGACCCAGTATCCATCGGACCAGTTGGCAAATCCA
AGTAA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003657 unedited

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ATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCCACGATTGAGA
AATGGGTAACCAAATGAGTGTTCCTCCAAAGAGTTGAAGACCAAGAGAATGAACCAGAAGC
AGAGACTTACAAGGACAACGCGTCTGCTCTGAACGGGGTCCAGTGGTGGTGTGACCCCA
CACAGTTCAGCACTTAGAGGAAGTGCAGTTGGGAATAAGTGTCAAGACGGATAATGTGGC
CACTTCTTCCCCGAGACAACGGAGATAAGTGTGTTGCGGATGCCAACGGAAAGAATCT
TGGGAAAGAGGCCAAACCCGAGGCACCAGCTGCTAAATCTCGTTTTTTCTTGATGCTCTC
TCGGCCTGTACCAGGACGTACCGGAGACCAAGCCGAGATTTCATCCCTTGGATCAGTGAA
GCTTGATGTCAGCTCCAATAAAGCTCCAGCGAACAAAGACCCAAGTGAGAGCTGGACACT
TCCGGTGGCAGCTGGACCGGGCAGGACACAGATAAAAACCCAGGGCAGCCCCGGCCCA
AGACAAGTCTCTCTGCCGCCAGGGATCCCACGCTTCTCCACCTGAGACAGGGGGAGC
AGGAGGAGAAGTCCCTCCAAGCCCAAGGACTCCAGCTTTTTTGACAAATCTTCAAGCT
GGACANGGACAGGAAAAGTGCCAGGTGACAGCCAACAGAAGCCAAGAGGGCCNAGCAT
CAAGACAAGTGGATGAGGTTCTTGCTTATCAGGGCAGTCCGATGATGTTCTCGCAGGG
AAGGACATAATTGACGGCAAGGAAAAGAAGACAAGAAGTGAACCTGCGATTGCTCTG
TCCTGGGGACCAANAAGACTGNAGACTGCCAAGAAN
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_003657 unedited TTTTTTTTTTTTTTTTAAGTTGTAATCTTTGCCGTTGTCACTGAGCCTCAAAGCAATT GTTTTCCCAAATCATTTTAAGCCCTCCCAGTCAATCTTTCCCTCATCAATAACTTA CAAGGACCCTATTTGAAAAACAACGCTTATTCATTCTTTTCTATACCCACACATTCC GTTCTAGGAAATTGGCAACCACCAACACAGCCCGGTTCTCCCTCCTTGAGATGTGAAT TTAAACAATGGATTTTCGTCTCCCTTCTCAAGCTTAGAAGG
Restriction Sites:	NotI-NotI
ACCN:	NM_003657
Insert Size:	2440 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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_003657.1 , NP_003648.1
RefSeq Size:	2813 bp
RefSeq ORF:	1755 bp
Locus ID:	8537
UniProt ID:	O75363
Cytogenetics:	20q13.2

Gene Summary:

This gene resides in a region at 20q13 which is amplified in a variety of tumor types and associated with more aggressive tumor phenotypes. Among the genes identified from this region, it was found to be highly expressed in three amplified breast cancer cell lines and in one breast tumor without amplification at 20q13.2. However, this gene is not in the common region of maximal amplification and its expression was not detected in the breast cancer cell line MCF7, in which this region is highly amplified. Although not consistently expressed, this gene is a candidate oncogene. [provided by RefSeq, Apr 2016]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.