

Product datasheet for **SC108841**

Breast cancer suppressor candidate 1 (VWA5A) (NM_014622) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Breast cancer suppressor candidate 1 (VWA5A) (NM_014622) Human Untagged Clone
Tag:	Tag Free
Symbol:	Breast cancer suppressor candidate 1
Synonyms:	BCSC-1; BCSC1; LOH11CR2A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC108841 sequence for NM_014622 edited (data generated by NextGen Sequencing)

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ATGGTGCACCTTCTGTGGCCTACTCACCTCCACCGGGAGCCAGTGCCGCTGAAGAGTATC
TCTGTGAGCGTGAACATTTACGAGTTTGTGGCTGGTGTGTCTGCAACTTTGAACTACGAG
AATGAGGAGAAAGTTCCTTTGGAGGCCTTCTTTGTGTTCCCATGGATGAAGACTCTGCT
GTTTACAGCTTTGAGGCCTTGGTGGATGGGAAGAAAATTGTAGCAGAATTACAAGACAAG
ATGAAGGCCCGCACCAACTATGAGAAAGCCATCTCCAGGGCCACCAGGCCTTCTTATTG
GAGGGGGACAGCAGCTCCAGGGATGTCTTCTTGTCAATGTGGTAACCTCCAACCTGGG
TCGAAGGCGGCAGTCACCTGAAGTATGTGCAGGAGCTGCCTCTGGAAGCAGATGGGGCT
CTGCGCTTTGTGCTCCAGCTGTCTGAATCCTAGATACCAGTTCTCTGGGTCGTCTAAG
GACAGTTGCCTAATGTGAAGACTCCTATAGTCCCTGTGGAGGACCTGCCCTACACACTC
AGCATGGTCGCCACCATAGATCCCAGCATGGCATTGAGAAGGTCCAATCCAACCTGCCCC
TTGAGTCTACCGAGTACCTAGGAGAGGACAAGACTTCTGCTCAGGTTTCCCTGGCTGCT
GGACACAAGTTTGTATCGGGACGTGGAACCTCTGATTTACTACAATGAGGTGCATACCCCC
AGCGTGGTTTTGGAGATGGGGATGCCTAACATGAAGCCAGGTCATTTGATGGGAGATCCA
TCTGCAATGGTGAGTTTCTATCCAAATATCCAGAAAGATCAACCATCAAATACCTGTGGA
GAGTTTATCTTTCTCATGGACCGCTCGGGAAGTATGCAGAGCCCCATGAGTAGCCAGGAT
ACATCTCAGCTGCGAATACAGGCAGCCAAGGAAACACTGATTTTGTGCTGAAGAGTTTA
CCTATAGGCTGTTATTTCAACATCTATGGATTTGGCTTCTCTATGAGGCATGCTTTCCG
GAGAGTGTGAAGTACACTCAGCAAAACAATGGAGGAGGCTCTGGGGAGAGTGAAGCTTATG
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TCCATCCCAGGCCACCCCTACAGCTTTTTGTCTTTACAGATGGAGAAGTTACAGACACG
TTTAGTGAATTAAGAAGTTAGGATCAACAGACAGAAACACAGGTGTTTTCTCATTGGT
ATTGGAGAAGGCACCTCCACCAGCCTAATAAAAAGGTATTGCCCGGCATCAGGGGGCACC
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ACACTCCAGGGCAAGACTTTTGGAGATAAGGTGACATTTCTCTACAACCCAAGCCTGAT
GTCAACCTCACCATTACCGCCTTGTGCAAGTCTTGTCCAGACCAAGGACATGGGC
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GTCATAAGCTCCTTACAGCTTTTATTGCTATCAATAAGGAGCTCAACAAGCCGGTTCAG
GGGCTCTGGCTCATAGGGACGTCCCAAGGCCAGTTCTGTTGGGTGCTTCTGCCCCATTG
AAGATAAAATGCCAATCAGGTTTTGAAAGGCCTTACACTCTGACCGTCTCTCTCTGCA
TCTCAGCCAGAGGGGAACCTTATGTGTTATAAGGCCAAGACATTCAGATGGACGATTAC
AGTCTCTGTGGGTTGATAAGTCACAAGGACCAGCACAGTCCAGGCTTTGGAGAGAATCAC
CTTGTGCAGCTGATTTACCACAAAATGCAAATGGTTCCTGGGATCTGAATGAAGATCTA
GCCAAGATCCTAGGTATGAGTTTGAAGAAATAATGGCTGCACAGCCTGCCGAGCTTGTG
GATTCCTCAGGCTGGGCCACCATCCTGGCCGTGATCTGGCTGCATAGCAATGGTAAGGAC
TTGAAGTGTGAATGGGAGCTTCTGGAAAGGAAGGCCGTGGCCTGGATGCGTGCCCATGCA
GGCTCCACCATGCCTTCGGTTGTGAAAGCTGCTATTACTTTCTGAAGTCATCTGTGGAT
CCTGCTATCTTTGCCTTTTGA
    
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Clone variation with respect to NM_014622.4
 1834 a=>g;2205 c=>t

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014622 unedited TTCAAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCACCAGCAAAAAAT CTTGCATCACCATGGTGCCTTCTGTGGCTACTCACCTCCACCGGGAGCCAGTGCCGC TGAAGAGTATCTCTGTGAGCGTGAACATTTACGAGTTTGTGGCTGGTGTCTGCAACTT TGAAGTACGAGAAATGAGGAGAAAGTTCCCTTTGGAGGCCTCTTTGTGTTCCCATGGATG AAGACTGCTGTTTACAGCTTTGAGGCCTTGGTGGATGGGAAGAAAATGTAGCAGAAT TACAAGACAAGATGAAGGCCCGCACCAACTATGAGAAAGCCATCTCCAGGGCCACCAGG CCTTCTTATTGGAGGGGACAGCAGCTCCAGGGATGTCTTCTTGAATGTGGTAACC TTCAACCTGGGTGGAAGCGGCAGTCACCTGAAGTATGTGACAGGAGCTGCCTCTGGAAG CAGATGGGGCTCTGCGCTTTGTGCTCCAGCTGCTGAATCCTAGATACCAGTTCTCTG GGTCGTCTAAGGACAGTTGCCTAATGTGAAGACTCCTATAGTCCCTGTGGAGGACCTGC CCTACACACTCAGCATGGTCGCCACCATAGATCCAGCATGGCATTGAGAAGGTCCAAT CCAAGTCCCTTGAGTCTACCGAGTACCTATGAGAGGACAAGACTTCTGCTCACGTTT CCCTGGCTGCTGGACACAAGTTTATCGGGACGTGGAACCTCTGATTTACTACAATGACG TGCATACCCCGAGCGTGGNTTTGAGATGGGGATGCCTAACATGAAGCCAGGTCATTTGA TGGGGAGGATCCATCTGCATGGNTGAGTTNCTATCCAANTATCCAGCAGATCAACCATC AATACCTGTGGNNAGAGTTATCTTTCTCATGGACTGCTCGCGNAAGTATGCANAGCCCCA TGCAAGTGCAGGATACATNTCANCTGCGNATACAGGCAGCCAAG
Restriction Sites:	NotI-NotI
ACCN:	NM_014622
Insert Size:	4000 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:	<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:	<u>NM_014622.4</u> , <u>NP_055437.2</u>
RefSeq Size:	3438 bp
RefSeq ORF:	2361 bp
Locus ID:	4013
UniProt ID:	<u>O00534</u>
Cytogenetics:	11q24.2

Gene Summary:

May play a role in tumorigenesis as a tumor suppressor. Altered expression of this protein and disruption of the molecular pathway it is involved in, may contribute directly to or modify tumorigenesis.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) lacks an internal exon in the 5' UTR, as compared to variant 3. Both variants 1 and 3 encode the same isoform 1.