

## Product datasheet for **RC226168**

### Breast cancer suppressor candidate 1 (VWA5A) (NM\_001130142) Human Tagged ORF Clone

#### Product data:

|                           |                                                                                    |
|---------------------------|------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                |
| Product Name:             | Breast cancer suppressor candidate 1 (VWA5A) (NM_001130142) Human Tagged ORF Clone |
| Tag:                      | Myc-DDK                                                                            |
| Symbol:                   | Breast cancer suppressor candidate 1                                               |
| Synonyms:                 | BCSC-1; BCSC1; LOH11CR2A                                                           |
| Mammalian Cell Selection: | Neomycin                                                                           |
| Vector:                   | pCMV6-Entry (PS100001)                                                             |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                               |



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**ORF Nucleotide Sequence:**

>RC226168 representing NM\_001130142  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGCACCTTCTGTGGCCTACTCACCTCCACCGGGAGCCAGTCCCGCTGAAGAGTATCTCTGTGAGCG  
 TGAACATTTACGAGTTTGTGGCTGGTGTGTCTGCAACTTTGAACTACGAGAATGAGGAGAAAAGTTCCCTTT  
 GGAGGCCTTCTTTGTGTTCCCATGGATGAAGACTCTGCTGTTTACAGCTTTGAGGCCTTGGTGGATGGG  
 AAGAAAATTGTAGCAGAATTACAAGACAAGATGAAGGCCCGCACCAACTATGAGAAAAGCCATCTCCCAGG  
 GCCACCAGGCCTTCTATTGGAGGGGGACAGCAGCTCCAGGGATGTCTTCTCTTGAATGTGGTAACTT  
 CCAACCTGGGTCGAAGGCGGCAGTACCCTGAAGTATGTGCAGGAGCTGCCTCTGGAAGCAGATGGGGCT  
 CTGCGCTTTGTGCTCCAGCTGTCTGAATCCTAGATACCAGTCTCTGGGTCGCTAAGGACAGTTGCC  
 TTAATGTGAAGACTCCTATAGTCCCTGTGGAGGACCTGCCCTACACACTCAGCATGGTCGCCACCATAGA  
 TTCCCAGCATGGCATTGAGAAGTCCAATCCAAGTCCCTTGTAGTCTACCGAGTACCTAGGAGAGGAC  
 AAGACTTCTGCTCAGGTTTCCCTGGCTGTGGACACAAGTTTGATCGGGACGTGGAACCTCTGATTTACT  
 ACAATGAGGTGCATACCCCGAGCGTGGTTTTGGAGATGGGGATGCCTAACATGAAGCCAGGTCATTTGAT  
 GGGAGATCCATCTGCAATGGTGAAGTTTCTATCCAAATATCCCAGAAGATCAACCATCAAATACCTGTGGA  
 GAGTTTATCTTTCTATGGACCGCTCGGGAAGTATGCAGAGCCCCATGAGTAGCCAGGATACATCTCAGC  
 TGCGAATACAGGCAGCCAAGGAAACTGATTTTGTGCTGAAGAGTTTACCTATAGGCTGTTATTTCAA  
 CATCTATGGATTTGGCTCTTCTATGAGGCATGCTTTCCGGAGAGTGTGAAGTACACTCAGCAAACAATG  
 GAGGAGGCTCTGGGGAGAGTGAAGCTTATGCAGGCCGACCTAGGGGCACTGAAATCTTGGCACCCTCC  
 AGAACATTTACAGGGACCTCCATCCCAGGCCACCCCTACAGCTTTTTGTCTTTACAGATGGAGAAGT  
 TACAGACACGTTTGTGTAATTAAGAAGTTAGGATCAACAGACAGAAACACAGGTGTTTCTCATTGGT  
 ATTGAGAAGGCACCTCCACCAGCCTAATAAAAGGATTGCCCCGGGCATCAGGGGCACCTCAGAATTTA  
 TCACAGGCAAAGACAGGATGCAGTCCAAGGCTCTCAGGACTCTGAAACGCTCTCTGCAGCCTGTGGTAGA  
 GGATGTCTCTGAGCTGGCATTGCTCCTGGTCTGTCTGCTAAAATGCTTTCCCAGAACAGACTGTC  
 ATCTTTAGGGTCTCAGAGATTAATCAGCTATGCCAGCTGACCGGGAGGATGCCAGCAGCAGAGACAACAG  
 GAGAAGTATGCCTCAAATATACTCCAGGCAAGACTTTGAGGATAAGGTGACATTTCTCTACAACC  
 CAAGCCTGATGTCAACCTCACCATTACCAGCTTGTGCAAGTCTTGTCCAGACCAAGGACATGGGC  
 CTCAGGGAGACTCCAGCAAGTATAAAAAAGATGCATTGAACCTTAGCCTTGAGTCTGGTGTCAAGCT  
 CCTTCACAGCTTTTATTGCTATCAATAAGGAGCTCAACAAGCCGTTTCCAGGGCCTCTGGCTCATAGGGA  
 CGTCCCAAGGCCAATTCTGTTGGGTGCTTCTGCCCATTTGAAGATAAAATGCCAATCAGGTTTTTCGAAA  
 GCCTTACACTCTGACCGTCTCCTTCTGCATCTCAGCCAGAGGGGAACTTATGTGTTATAAGGCCAAGA  
 CATTCCAGATGGACGATTACAGTCTCTGTGGTTGATAAGTCACAAGGACCAGCAGTCCAGGCTTTGG  
 AGAGAATCACCTTGTGCAGCTGATTTACCACAAAATGCAATGGTCTGGGATCTGAATGAAGATCTA  
 GCCAAGATCCTAGGTATGAGTTTGAAGAAATAATGGCTGCACAGCCTGCCGAGCTTGTGGATTCTCAG  
 GCTGGGCCACCATCCTGGCCGTGATCTGGCTGCACAGCAATGGTAAGGACTTGAAGTGTGAATGGGAGCT  
 TCTGAAAAGGAAGGCCGTGGCTGGATGCGTGCCATGCAGGCTCCACCATGCCTTCGGTTGTGAAAGCT  
 GCTATTACTTTCTGAAGTCATCTGTGGATCCTGCTATCTTTGCCTTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC226168 representing NM\_001130142  
Red=Cloning site Green=Tags(s)

MVHFCGLLTLHREPVPLKSI SVSVNIYEFVAGVSATLNYENEKVPLEAFFVFPMDSDAVYSFEALVDG  
KKIIVAE LQDKMKARTNYEKAI SQGHQAFLLLEGDSSSRDVFSCNVGNLQPGSKAAVTLKYVQELPLEADGA  
LRFVLP AVLNPRYQFSGSSKDSCLNVKTPIVPVEDLPYTL SMVATIDSQHGIEKVQSNCP LSPTEYLGED  
K TSAQVSLAAGHKFDRDVELLIYYNEVHTPSV VLEMGMPNMKPGHLMGDPSAMVSFY PNIPEDQPSNTCG  
EFIFLMDRSGSMQSPMSSQDTSQLRIQA AKETLILLLKSLPIGCYFN IYGFSSYEACFPESVKYQQT M  
EEALGRVKLMQADLGGTEILAPLQNIYRGPSIPGHPLQLFVFTDGEVTDTF SVIKEVRINRQKHRCFSFG  
IGEGTSTSLIKGIARASGGTSEFITGKDRMQSKALRTLKRSLQPVEDVSLSWHLPPGLSAKMLSPEQTV  
IFRGQRLISYAQLTGRMPAAETTGEVCLKYTLQGKTFEDKVTFPLQPKPDVNLTIHRLAAKSL LQTKDMG  
LRETPASDKKDALNLSLESGVISSFTAFIAINKELNKPVQGPLAHRDVPRPILLGASAPLIKCSGFRK  
ALHSDRPPSASQPRGELMCYKAKTFQMDDYSLCGLISHKDQHSPGFGENHLVQLIYHQ NANGSWDLNEDL  
AKILGMSLEEIMAAQPAELVDSSGWATILAVIWLH SNGKDLKCEWELLERKAVAWMRAHAGSTMP SVVKA  
AITFLKSSVDP AIFAF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6048\\_h07.zip](https://cdn.origene.com/chromatograms/mk6048_h07.zip)

**Restriction Sites:** SgfI-MluI



**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\\_001130142.2](#)

**RefSeq ORF:** 2361 bp

**Locus ID:** 4013

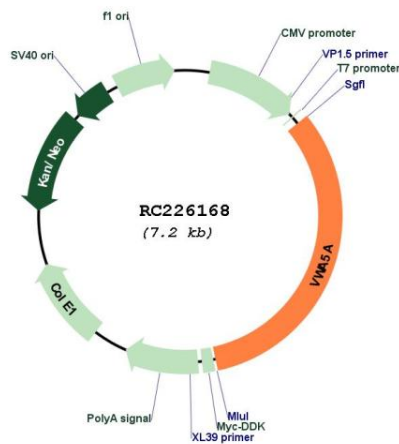
**UniProt ID:** [O00534](#)

**Cytogenetics:** 11q24.2

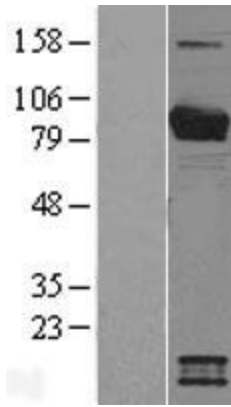
**MW:** 86.3 kDa

**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]

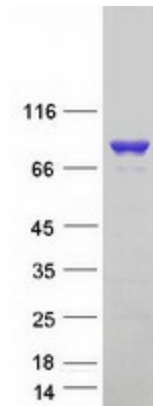
**Product images:**



Circular map for RC226168



Western blot validation of overexpression lysate (Cat# [LY427178]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC226168 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified VWA5A protein (Cat# [TP326168]). The protein was produced from HEK293T cells transfected with VWA5A cDNA clone (Cat# RC226168) using MegaTran 2.0 (Cat# [TT210002]).