

## Product datasheet for **RG212185**

### Breast cancer suppressor candidate 1 (VWA5A) (NM\_014622) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Breast cancer suppressor candidate 1 (VWA5A) (NM_014622) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Breast cancer suppressor candidate 1
Synonyms:	BCSC-1; BCSC1; LOH11CR2A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG212185 representing NM\_014622  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGCACCTTCTGTGGCCTACTCACCTCCACCGGGAGCCAGTCCCGCTGAAGAGTATCTCTGTGAGCG  
 TGAACATTTACGAGTTTGTGGCTGGTGTGTCTGCAACTTTGAACTACGAGAATGAGGAGAAAAGTTCCCTTT  
 GGAGGCCTTCTTTGTGTTCCCATGGATGAAGACTCTGCTGTTTACAGCTTTGAGGCCTTGGTGGATGGG  
 AAGAAAATTGTAGCAGAATTACAAGACAAGATGAAGGCCCGCACCAACTATGAGAAAAGCCATCTCCCAGG  
 GCCACCAGGCCTTCTATTGGAGGGGGACAGCAGCTCCAGGGATGTCTTCTCTTGAATGTGGGTAACTT  
 CCAACCTGGGTGGAAGGCGGCAGTACCCTGAAGTATGTGCAGGAGCTGCCTCTGGAAGCAGATGGGGCT  
 CTGCGCTTTGTGCTCCAGCTGTCTGAATCCTAGATACCAGTCTCTGGGTCGCTAAGGACAGTTGCC  
 TTAATGTGAAGACTCCTATAGTCCCTGTGGAGGACCTGCCCTACACACTCAGCATGGTCGCCACCATAGA  
 TTCCCAGCATGGCATTGAGAAGTCCAATCCAAGTCCCTTGTAGTCTACCGAGTACCTAGGAGAGGAC  
 AAGACTTCTGCTCAGGTTTCCCTGGCTGCTGGACACAAGTTTGATCGGGACGTGGAACCTCTGATTTACT  
 ACAATGAGGTGCATACCCCCAGCGTGGTTTTGGAGATGGGGATGCCTAACATGAAGCCAGGTCATTTGAT  
 GGGAGATCCATCTGCAATGGTGAAGTTTCTATCCAAATATCCCAGAAGATCAACCATCAAATACCTGTGGA  
 GAGTTTATCTTTCTATGGACCGCTCGGGAAGTATGCAGAGCCCCATGAGTAGCCAGGATACATCTCAGC  
 TGCGAATACAGGCAGCCAAGGAAACTGATTTTGTGCTGAAGAGTTTACCTATAGGCTGTTATTTCAA  
 CATCTATGGATTTGGCTCTTCTATGAGGCATGCTTTCCGGAGAGTGTGAAGTACACTCAGCAAACAATG  
 GAGGAGGCTCTGGGGAGAGTGAAGCTTATGCAGGCCGACCTAGGGGGCACTGAAATCTTGGCACCCTCC  
 AGAACAATTTACAGGGACCTCCATCCCAGGCCACCCCTACAGCTTTTTGTCTTTACAGATGGAGAAGT  
 TACAGACACGTTTGTGTAATTAAGAAGTTAGGATCAACAGACAGAAACACAGGTGTTTCTCATTGGT  
 ATTGAGAAGGCACCTCCACCAGCCTAATAAAAGGATTGCCCCGGGCATCAGGGGGCACCTCAGAATTTA  
 TCACAGGCAAAGACAGGATGCAGTCCAAGGCTCTCAGGACTCTGAAACGCTCTCTGCAGCCTGTGGTAGA  
 GGATGTCTCTGAGCTGGCATTGCTCCTGGTCTGTCTGCTAAAATGCTTTCCCAGAACAGACTGTC  
 ATCTTTAGGGGTCAGAGATTAATCAGCTATGCCAGCTGACCGGGAGGATGCCAGCAGCAGAGACAACAG  
 GAGAAGTATGCCTCAAATATACTCCAGGGCAAGACTTTGAGGATAAGGTGACATTTCTCTACAACC  
 CAAGCCTGATGTCAACCTCACCATTACCAGCTTGTGCAAGTCTTGTCCAGACCAAGGACATGGGC  
 CTCAGGGAGACTCCAGCAAGTATAAAAAAGATGCATTGAACCTTAGCCTTGAGTCTGGTGTCAAGCT  
 CCTTCACAGCTTTTATTGCTATCAATAAGGAGCTCAACAAGCCGTTTCCAGGGCCCTCTGGCTCATAGGGA  
 CGTCCCAAGGCCAATTCTGTTGGGTGCTTCTGCCCATTTGAAGATAAAATGCCAATCAGGTTTTTCGAAA  
 GCCTTACACTCTGACCGTCTCCTTCTGCATCTCAGCCCAGAGGGGAACTTATGTGTTATAAGGCCAAGA  
 CATTCCAGATGGACGATTACAGTCTCTGTGGTTGATAAGTACAAAGGACCAGCAGTCCAGGCTTTGG  
 AGAGAATCACCTTGTGCAGCTGATTTACCACAAAATGCAAAATGGTTCCTGGGATCTGAATGAAGATCTA  
 GCCAAGATCCTAGGTATGAGTTTGAAGAAATAATGGCTGCACAGCCTGCCGAGCTTGTGGATTCTCAG  
 GCTGGGCCACCATCCTGGCCGTGATCTGGCTGCACAGCAATGGTAAGGACTTGAAGTGTGAATGGGAGCT  
 TCTGAAAAGGAAGGCCGTGGCTGGATGCGTGCCATGCAGGCTCCACCATGCCTTCGGTTGTGAAAGCT  
 GCTATTACTTTCTGAAGTCATCTGTGGATCCTGCTATCTTTGCCTTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG212185 representing NM\_014622  
 Red=Cloning site Green=Tags(s)

```
MVHFCGLLTLHREPVPLKSI SVSVNIYEFVAGVSATLNYENEKVPLEAFFVFPMDSDSAVYSFEALVDG
KKIVAE LQDKMKARTNYEKAI SQGHQAF LLEGDSSSRDVFSCNVGNLQPGSKAAVTLKYVQELPLEADGA
LRFVLP AVLNPRYQFSGSSKDSCLNVKTP IVPVEDLPYTL SMVATIDSQHGIEKVQSNCP LSPTEYLGED
KTSAQVSLAAGHKFDRDVELLIYNEVHTPSV VLEMGMNPKPGHLMGDP SAMVSFYPNIPEDQPSNTCG
EFIFLMDRSGSMQSPMSSQDTSQLRIQA AKETL ILLKSLPIGCYFNIYGF GSSYEACFPESVKYQQT M
EEALGRVKLMQADLGGTEILAPLQNIYRGPSIPGHPLQLFVFTDGEVTDTF SVIKEVRINRQKHRCFSFG
IGEGTSTSLIKGIARASGGTSEF ITGKDRMQSKALRTLKRSLQPVVEDVSLSWHLPPGLSAKMLSPEQTV
IFRGRQLISYAQLTGRMPAAETTGEVCLKYTLQGKTFEDKVTFP LQPKPDVNLTIHRLAAKSL LQTKDMG
LRETPASDKKDALNLSLESGV ISSFTAFI AINKELNKPVQGPLAHRDVPRP ILLGASAPL IKCQSGFRK
ALHSDRPPSASQPRGELMCYKAKTFQMD DYS LCGLI SHKDQHSPGF GENHLVQLIYHQ NANGSWDLNEDL
AKILGMSLEEIMAAQPAELVDSSGWATILAVIWLH SNGKDLKCEWELLERKAVAWMRAHAGSTMP SVVKA
AITFLKSSVDP AIFAF
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_014622

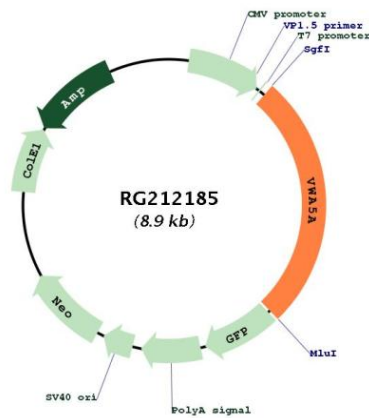
**ORF Size:** 2358 bp

**OTI Disclaimer:** 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_014622.4, NP_055437.2</u>
<b>RefSeq Size:</b>	3438 bp
<b>RefSeq ORF:</b>	2361 bp
<b>Locus ID:</b>	4013
<b>UniProt ID:</b>	<u>O00534</u>
<b>Cytogenetics:</b>	11q24.2
<b>Gene Summary:</b>	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 RG212185