

Product datasheet for **RG201474**

Breast cancer suppressor candidate 1 (VWA5A) (NM_198315) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Breast cancer suppressor candidate 1 (VWA5A) (NM_198315) 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)
ORF Nucleotide Sequence:	>RG201474 representing NM_198315 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGCACCTTCTGTGGCCTACTCACCTCCACCGGGAGCCAGTGCCGCTGAAGAGTATCTCTGTGAGCG
TGAACATTTACGAGTTTGTGGCTGGTGTCTGCAACTTTGAACTACGAGAATGAGGAGAAAGTTCCTTT
GGAGGCCCTCTTTGTGTTCCCATGGATGAAGACTCTGCTGTTTACAGCTTTGAGGCCTTGGTGGATGGG
AAGAAAATTGTAGCAGAATTACAAGACAAGATGAAGGCCCGACCAACTATGAGAAAGCCATCTCCAGG
GCCACCAGGCCTTCTTATTGGAGGGGGACAGCAGCTCCAGGGATGTCTTCTCTTGAATGTGGGTAACT
CCAACCTGGGTGCAAGGCGGCAGTCACCTGAAGTATGTGCAGGAGCTGCCTCTGGAAGCAGATGGGGCT
CTGCGCTTTGTGCTCCAGCTGTCTGAATCCTAGATACCACTTCTCTGGGTCTGCTAAGGACAGTTGCC
TTAATGTGAAGACTCCTATAGTCCCTGTGGAGGACCTGCCCTACACACTCAGCATGGTCGCCACCATAGA
TTCCCAGCATGGCATTGAGAAGGTCCAATCCAAGTCCCTTGTGCTACCGAGTACCTAGGAGAGGAC
AAGACTTCTGCTCAGGTTTCCCTGGCTGCTGGACACAAGTTTGATCGGGACGTGGAACCTCTGATTACT
ACAATGAGGTGCATACCCCGAGCGTGGTTTGGAGATGGGGATGCCTAACATGAAGCCAGGTCATTTGAT
GGGAGATCCATCTGCAATGGTGAGTTTCTATCCAAATATCCAGAAGATCAACCATCAAATACCTGTGGA
GAGTTTATCTTTCTCATGGACCGCTCGGGAAGTATGCAGAGCCCCATGAGTAGCCAGGATACATCTCAGC
TGCGAATACAGGCAGCCAAGGAAACACTGATTTTGTGCTGAAGAGTTTACCTATAGGCTGTTATTTCAA
CATCTATGGATTGGCTCTTCTATGAGGCATGCTTCCGGAGAGTGTGAAGTAACTCAGCAAAACAATG
GAGGAGGCTCTGGGGAGAGTGAAGCTTATGCAGGCCGACCTAGGGGGCACTGAAATCTTGGCACCCTCC
AGAACATTTACAGGGGACCCTCCATCCAGGCCACCCCTACAGCTTTTGTCTTTACAGATGGAGAAGT
TACAGACACGTTTAGTGAATTAAGAAGTTAGGATCAACAGACAGAAACACAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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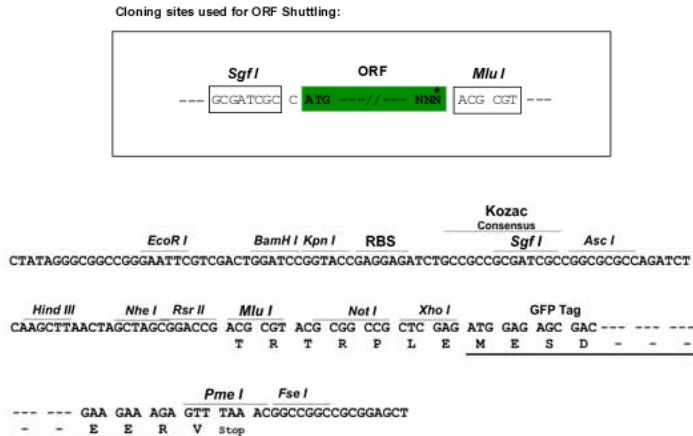
Protein Sequence: >RG201474 representing NM_198315
 Red=Cloning site Green=Tags(s)

MVHFCGLLTLHREPVLKSISSVSVNIYEFVAGVSATLNYEENEKVPLEAFFVFPMDSDSAVYSFEALVDG
 KKIVAEQLQDKMKARTNYEKAISSQGHQAFLLLEGDSSSRDVFSCNVGNLQPGSKAAVTLKYVQELPLEADGA
 LRFVLPVNLNPRYQFSGSSKDSCLNVKTPIVPVEDLPYTLSMVATIDSQHGIEKVQSNCPSPTEYLGED
 KTSAQVSLAAGHKFDRDVELLIYYNEVHTPSVVLEMGMNMPKPGHLMGDPMSAMVSFYNPINPEDQPSNTCG
 EFIFLMDRSGSMQSPMSSQDTSQRLRIQAAKETLILLKSLPIGCYFNIIYGFSSYEACFPESVKYTQQT
 EEALGRVKLMQADLGGTEILAPLQNIYRGPISIPGHPLQLFVFTDGEVTDTFSVIKEVRINRQKHR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198315

ORF Size: 1245 bp

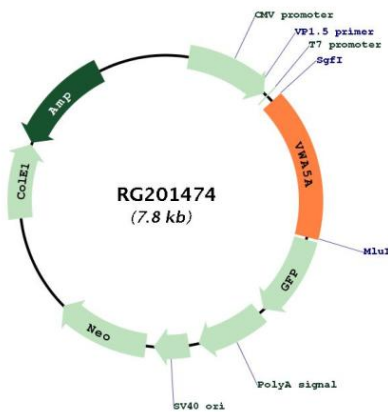
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_198315.2, NP_938057.1</u>
RefSeq Size:	1874 bp
RefSeq ORF:	1248 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]

Product images:



Circular map for RG201474