

## Product datasheet for **RG223297**

### VWA2 (NM\_198496) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VWA2 (NM_198496) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	VWA2
Synonyms:	AMACO; CCSP-2; NET42
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>RG223297 representing NM\_198496  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGCATCGCC

ATGCCCCCTTTCCTGTTGCTGGAAGCCGTCTGTGTTTTCTGTTTTCCAGAGTGCCCCATCTCTCCCTC  
TCCAGGAAGTCCATGTAAGCAAAGAAACCATCGGGAAGATTTTCAGCTGCCAGCAAATGATGTGGTGCTC  
GGCTGCAGTGGACATCATGTTTCTGTTAGATGGGTCTAACAGCGTCGGGAAAGGGAGCTTTGAAAGTCC  
AAGCACTTTGCCATCACAGTCTGTGACGGTCTGGACATCAGCCCCGAGAGGGTCAGAGTGGGAGCATTCC  
AGTTTCAGTTCCACTCCTCATCTGGAATTCCTTGGATTCAATTTCAACCAACAGGAAGTGAAGGCAAG  
AATCAAGAGGATGGTTTTCAAAGGAGGGCGCACGGAGACGGAACCTGCTCTGAAATACCTTCTGCACAGA  
GGGTTGCCTGGAGGCAGAAATGCTTCTGTGCCAGATCCTCATCATCGTCACTGATGGGAAGTCCCAGG  
GGGATGTGGCACTGCCATCCAAGCAGCTGAAGGAAAGGGGTGTCCTGTGTTTGTGTGGGGTTCAGGTT  
TCCAGGTGGGAGGAGCTGCATGCACTGGCCAGCAGCCTAGAGGGCAGCACGTGCTGTTGGCTGAGCAG  
GTGGAGGATGCCACCAACGGCCTTTCAGCACCTCAGCAGCTCGGCCATCTGCTCCAGCGCCACGCCAG  
ACTGCAGGGTTCGAGGCTCACCCCTGTGAGCACAGGACGCTGGAGATGGTCCGGGAGTTTCGCTGGCAATGC  
CCCATGCTGGAGAGGATCGCGGGGACCCTTGGCGTGTGGCTGCACACTGTCCCTTCTACAGCTGGAAG  
AGAGTGTTCCTAACCCACCCTGCCACCTGCTACAGGACCCTGCCAGGCCCTGTGACTCGCAGCCCT  
GCCAGAATGGAGGCACATGTGTTCCAGAAGGACTGGACGGCTACCAGTGCCTCTGCCCGCTGGCCTTTGG  
AGGGGAGGCTAACTGTCCCTGAAGCTGAGCCTGGAATGCAGGGTCGACCTCCTTCTCTGCTGGACAGC  
TCTGCGGGCACCCTCTGGACGGCTTCTGCGGGCCAAAGTCTTCGTGAAGCGGTTTGTGCGGGCCGTGTC  
TGAGCGAGGACTCTCGGGCCGAGTGGGTGTGGCCACATACAGCAGGGAGCTGCTGGTGGCGGTGCCTGT  
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CTGACGGGCAGTGCCTTGCGGCAGGCGGACAGCGTGGCTTCCGGGAGCGCCACCAGGACAGGCCAGGACC  
GGCCACGTAGAGTGGTGGTTTTGCTCACTGAGTCACTCCGAGGATGAGGTTGCGGGCCAGCGCGTCA  
CGCAAGGGCGCGAGAGCTGCTCCTGCTGGGTGTAGGCAGTGAAGCCGTGCGGGCAGAGCTGGAGGAGATC  
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AGGGGAAGCTGTGCAGCCGGCAGCGCCAGGGTCCGGACACAAGCCCTGGACCTCGTCTTCATGTTGGA  
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GGGCTCAGCCGGCACCCCTGTGTCACATCTATGACAAAGTGTGACCGTCCAGAGGGGTGCCCGGCT  
GGTGTCCCAAAGCTGTGGTGGTGTCTACAGGCGGGAGAGGGCGCAGAGGATGCAGCCGTTCTGCCAGA  
AGCTGAGGAACAATGGCATCTCTGTCTTGGTGTGGGCGTGGGGCCTGTCTAAGTGAAGGCTGTCGGAG  
GCTTGCAGGTCCCAGGATTCCTGATCCACGTGGCAGCTTACGCCGACCTGCGGTACCACCAGGACGTG  
CTCATTGAGTGGCTGTGTGGAGTGAAGTGGGGAAATCCACACCCTCAGGGCTGCCCCATGGCAGGCCCT  
CAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG223297 representing NM\_198496  
 Red=Cloning site Green=Tags(s)

MPPFLLLEAVCVFLFSRVPPSLPLQEVHVKETIGKISAASKMMWCSAAVDIMFLLDGNSVVGKGSFERS  
 KHFAITVCDGLDISPERVRVGFQFSSTPHLEFPLDSFSTQQEVKARIKRMVFKGGRTETELALKYLLHR  
 GLPGGRNASVPQILIIIVTDGKSQGDVALPSKQLKERVTVFVAVGVFRPRWELHALASEPRGQHVLLAEQ  
 VEDATNGLFSTLSSAICSSATPDCRVEAHPCEHRTLEMVREFAGNAPCWGRSRRTLAVLAAHCPFYSWK  
 RVFLTHPATCYRTTCPGPCDSQPCQNGGTCVPEGLDGYQCLCPLAFGGEANCALKLSLECRVDLLFLLDS  
 SAGTTLDGFLRAKVFVKRFVRAVLSEDSRARVGVATYSRELLVAVPVGEYQDVPDLVWSLDGIPFRGGPT  
 LTGSALRQAAERFGSATRTGQDRPRRVVLLTESHSEDEVAGPARHARARELLLLGVGSEAVRAELEEI  
 TGSPKHMVYSDPQDLFNQIPELQGKLCRQRPQCRTQALDLVFLDTSASVGPENFAQMOSFVRSALQ  
 FEVNPDVTQVGLVYGSQVQAFGLDTKPTRAAMLRAISQAPYLGVGVSAGTALLHIYDKVMTVQRGARP  
 GVPKAVVLTGGRGAEDAAVPAQKLRNNGISVLVVGVPVLEGLRRLAGPRDSL IHVAAYADLRYHQDV  
 LIEWLCGGEWGNPHPPQGC PHGRPSA

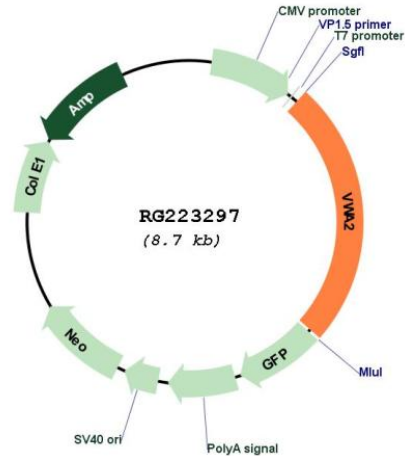
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



**Plasmid Map:**


**ACCN:** NM\_198496

**ORF Size:** 2175 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.

**RefSeq:** [NM\\_198496.1](#), [NP\\_940898.1](#)

**RefSeq Size:** 2946 bp

**RefSeq ORF:** 2177 bp

**Locus ID:** 340706

**Cytogenetics:** 10q25.3

**Gene Summary:** This gene encodes a member of the von Willebrand factor A-like domain protein superfamily. The encoded protein is localized to the extracellular matrix and may serve as a structural component in basement membranes or in anchoring structures on scaffolds of collagen VII or fibrillin. This gene has been linked to type 1A diabetes and is a candidate serological marker for colon cancer. [provided by RefSeq, Jan 2013]