

Product datasheet for **RG234840**

VWA2 (NM_001272046) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VWA2 (NM_001272046) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	VWA2
Synonyms:	AMACO; CCSP-2; CCSP2; NET42
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234840 representing NM_001272046
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCCCTTTCCTGTTGCTGGAAGCCGTCTGTGTTTTCTGTTTTCCAGAGTGCCCCATCTCCTCC
 TCCAGGAAGTCCATGTAAGCAAAGAAACCATCGGGAAGATTTTCAGCTGCCAGCAAATGATGTGGTGCTC
 GGCTGCAGTGGACATCATGTTTCTGTTAGATGGGTCTAACAGCGTCGGGAAAGGGAGCTTTGAAAGTCC
 AAGCACTTTGCCATCACAGTCTGTGACGGTCTGGACATCAGCCCCGAGAGGGTCAGAGTGGGAGCATTCC
 AGTTTCAGTTCCACTCCTCATCTGGAATTCCTTGGATTCAATTTCAACCAACAGGAAGTGAAGGCAAG
 AATCAAGAGGATGGTTTTCAAAGGAGGGCGCACGGAGACGGAACCTGCTCTGAAATACCTTCTGCACAGA
 GGGTTGCCTGGAGGCAGAAATGCTTCTGTGCCAGATCCTCATCATCGTCACTGATGGGAAGTCCCAGG
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 GTGGAGGATGCCACCAACGGCCTTTCAGCACCTCAGCAGCTCGGCCATCTGCTCCAGCGCCACGCCAG
 ACTGCAGGGTCGAGGCTCACCCCTGTGAGCACAGGACGCTGGAGATGGTCCGGGAGTTTCGCTGGCAATGC
 CCCATGCTGGAGAGGATCGCGGGGACCCTTGGCGTGTGGCTGCACACTGTCCCTTCTACAGCTGGAAG
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 TGAGCGAGGACTCTCGGGCCGAGTGGGTGTGGCCACATACAGCAGGGAGCTGCTGGTGGCGGTGCCTGT
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 TTTGAGGTGAACCCTGACGTGACACAGGTCCGGCTGGTGGTGTATGGCAGCCAGGTGCAGACTGCCTTCG
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 CTCATTGAGTGGCTGTGTGGAGAAGCAAGCAGCCAGTCAACCTCTGCAAACCCAGCCCGTGCATGAATG
 AGGGCAGCTGCGTCTGCAGAATGGGAGCTACCGCTGCAAGTGTGCGGATGGCTGGGAGGGCCCCCACTG
 CGAGAACCGATTCTTGAGACGCCCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG234840 representing NM_001272046
Red=Cloning site Green=Tags(s)

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MPPFLLLEAVCVFLFSRVPPSLPLQEVHVKETIGKISAASKMMWCSAAVDIMFLLDGNSVVGKGSFERS
KHFAITVCDGLDISPERVRVGFQFSSTPHLEFPLDSFSTQQEVKARIKRMVFKGGRTETELALKYLLHR
GLPGGRNASVPQILIIIVTDGKSQGDVALPSKQLKERVTVFAVGVFRPRWELHALASEPRGQHVLLAEQ
VEDATNGLFSTLSSAICSSATPDCRVEAHPCEHRTLEMVREFAGNAPCWGRSRRTLAVLAAHCPFYSWK
RVFLTHPATCYRTTCPGPCDSQPCQNGGTCVPEGLDGYQCLCPLAFGGEANCALKLSLECRVLLFLLDS
SAGTTLDGFLRAKVFVKRFVRAVLSSESRARVGVATYSRELLVAVPVGEYQDVPDLVWSLDGIPFRGGPT
LTGSALRQAAERFGSATRTGQDRPRRVVLLTESHSEDEVAGPARHARARELLLLGVGSEAVRAELEEI
TGSPKHMVYSDPQDLFNQIPELQGKLCRQRPGCRTQALDLVFLDTSASVGPENFAQMOSFVRSALQ
FEVNPDTVQVGLVYGSQVQAFGLDTKPTRAAMLRAISQAPYLGVGVSAGTALLHIYDKVMTVQRGARP
GVPKAVVLTGGRGAEDAAVPAQKLRNNGISVLVVGVPVLESEGLRRLAGPRDSL IHVAAYADLRYHQDV
LIEWLCGEAKQPVNLCCKSPCMNEGSCVLQNGSYRCKCRDGEWEGPHCENRFLRRP
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001272046

ORF Size: 2265 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_001272046.2](#)

RefSeq Size: 5857 bp

RefSeq ORF: 2268 bp

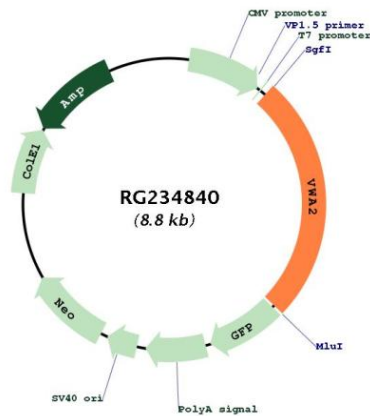
Locus ID: 340706

UniProt ID: [Q5GFL6](#)

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]

Product images:



Circular map for RG234840