

Product datasheet for **RC234840**

VWA2 (NM_001272046) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | VWA2 (NM_001272046) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | VWA2 |
| Synonyms: | AMACO; CCSP-2; CCSP2; NET42 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RC234840 representing NM_001272046
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCCCTTTCCTGTTGCTGGAAGCCGTCTGTGTTTTCTGTTTTCCAGAGTGCCCCATCTCCTC
 TCCAGGAAGTCCATGTAAGCAAAGAAACCATCGGGAAGATTTTCAGCTGCCAGCAAATGATGTGGTGCTC
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 CGAGAACCGATTCTTGAGACGCCCC

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >RC234840 representing NM_001272046
 Red=Cloning site Green=Tags(s)

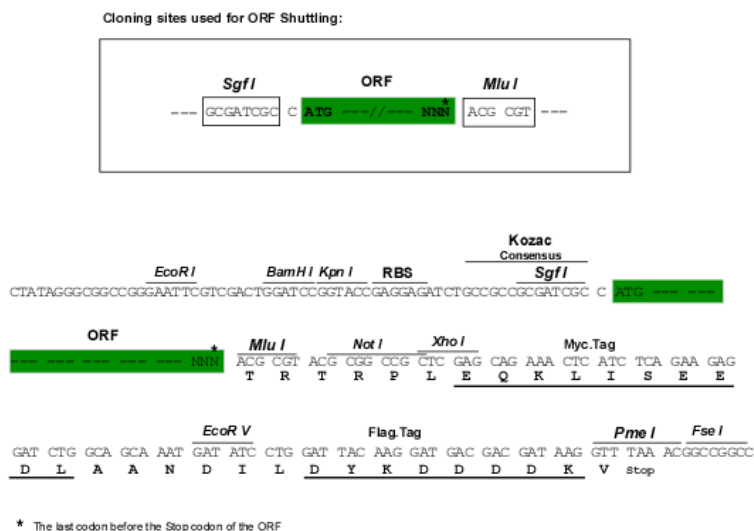
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 SAGTTLDGFLRAKVFVKRFVRAVLSSESRARVGVATYSRELLVAVPVGEYQDVPDLVWSLDGIPFRGGPT
 LTGSALRQAAERGFGSATRTGQDRPRRVVLLTESHSEDEVAGPARHARARELLLLGVGSEAVRAELEEI
 TGSPKHMVYSDPQDLFNQIPELQGKLCRQRPGCRTQALDLVFLDTSASVGPENFAQMOSFVRSALQ
 FEVNPDTVQVGLVYGSQVQAFGLDTKPTRAAMLRAISQAPYLGVGVSAGTALLHIYDKVMTVQRGARP
 GVPKAVVVL TGGRGAEDAAVPAQKLRNNGISVLVVGVPVLEGLRRLAGPRDSL IHVAAYADLRYHQDV
 LIEWLCEAKQPVNLCKPSPCMNEGSCVLQNGSYRCKCRDGEWEGPHCENRFLRRP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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

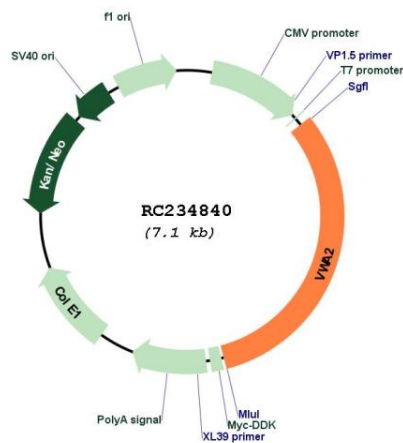
UniProt ID: [Q5GFL6](#)

Cytogenetics: 10q25.3

MW: 82.5 kDa

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 RC234840