OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG209324

VWA1 (NM_022834) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VWA1 (NM_022834) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	VWA1
Synonyms:	WARP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG209324 representing NM_022834
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTCCCCTGGACGGCGCTCGGCCTGGCCCTGAGCTTGCGGCTGGCGCTGGCGCGGAGCGGCGCGGAGC
GCGGTCCACCAGCATCAGCCCCCCGAGGGGACCTGATGTTCCTGCTGGACAGCTCAGCCAGCGTCTCTCA
CTACGAGTTCTCCCGGGTTCGGGAGTTTGTGGGGCAGCTGGTGGCTCCACTGCCCCTGGGCACCGGGGCC
CTGCGTGCCAGTCTGGTGCACGTGGGCAGTCGGCCATACACCGAGTTCCCCTTCGGCCAGCACAGCTCGG
GTGAGGCTGCCCAGGATGCGGTGCGTGCTTCTGCCCAGCGCATGGGTGACACCCACACTGGCCTGGCGCT
GGTCTATGCCAAGGAACAGCTGTTTGCTGAAGCATCAGGTGCCCGGCCAGGGGTGCCCAAAGTGCTGGTG
TGGGTGACAGATGGCGGCTCCAGCGACCCTGTGGGCCCCCCCATGCAGGAGCTCAAGGACCTGGGCGTCA
CCGTGTTCATTGTCAGCACCGGCCGAGGCAACTTCCTGGAGCTGTCAGCCGCTGCCTCAGCCCCTGCCGA
GAAGCACCTGCACTTTGTGGACGTGGATGACCTGCACATCATTGTCCAAGAGCTGAGGGGCTCCATTCTC
GACGCGATGCGGCCGCAGCAGCTCCATGCCACGGAGATCACGTCCAGCGGCTTCCGCCTGGCCTGGCCAC
CCCTGCTGACCGCAGACTCGGGCTACTATGTGCTGGAGCTGGTGCCCAGCGCCCAGCCGGGGGCTGCAAG
ACGCCAGCAGCTGCCAGGGAACGCCACGGACTGGATCTGGGCCGGCCTCGACCCGGACACGGACTACGAC
GTGGCGCTAGTGCCTGAGTCCAACGTGCGCCTCCTGAGGCCCCAGATCCTGCGGGTGCGCACGCGGCCCG
GTGAGGCAGGGCCGGGGGCTTCGGGCCCGGAGTCGGGGGCTGGGCCGGCCCCCACGCAGCTCGCCGCCCT
CCCCGCCCCAGAGGAGGCCGGGCCAGAGCGCATCGTCATCTCCCACGCCCGGCCGCGCAGCCTCCGCGTG
AGTTGGGCCCCAGCGCTGGGCTCAGCCGCGGCGCTCGGCTACCACGTGCAGTTCGGGCCGCTGCGGGGCG
GGGAGGCGCAGCGGGTGGAGGTGCCCGCGGGCCGCAACTGCACCACGCTGCAGGGCCTGGCGCCGGGCAC
CGCCTACCTGGTGACCGTGACCGCCGCCTTCCGCTCGGGCCGCGAGAGCGCGCTGTCCGCCAAGGCCTGC
ACGCCCGACGGCCCGCGCCCGCGCCCACGCCCCGTGCCCCGCGCCCCGACCCCGGGGACCGCCAGCCGTG
AGCCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

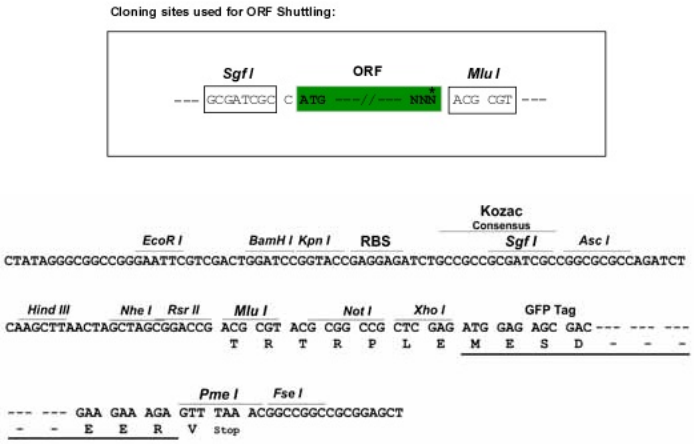
>RG209324 representing NM_022834
Red=Cloning site Green=Tags(s)

MLPWTALGLALSLRLALARSGAERGPPASAPRGDLMFLLDSSASVSHYEFSRVREFVGQLVAPLPLGTGA
LRASLVHVGSRPYTEFPFGQHSSGEAAQDAVRASAQRMGDTHTGLALVYAKEQLFAEASGARPGVPKVLV
WVTDGGSSDPVGPPMQELKDLGVTVFIVSTGRGNFLELSAAASAPAEKHLHFVDVDDLHIIVQELRGSIL
DAMRPQQLHATEITSSGFRLAWPPLLTADSGYYVLELVPSAQPGAARRQQLPGNATDWIWAGLDPDTDYD
VALVPESNVRLLRPQILRVRTRPGEAGPGASGPESGAGPAPTQLAALPAPEEAGPERIVISHARPRSLRV
SWAPALGSAAALGYHVQFGPLRGGEAQRVEVPAGRNCTTLQGLAPGTAYLVTVTAAFRSGRESALSAKAC
TPDGPRPRPRPVPRAPTPGTASREP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

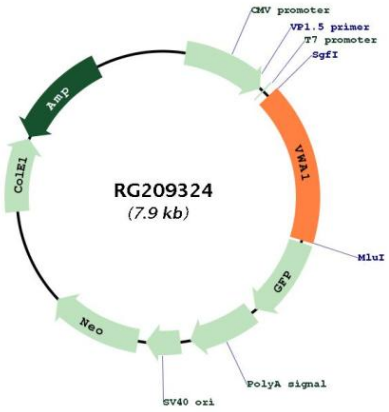


ACCN:	NM_022834
ORF Size:	1335 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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_022834.5
RefSeq Size:	2554 bp
RefSeq ORF:	1338 bp
Locus ID:	64856
UniProt ID:	Q6PCB0
Cytogenetics:	1p36.33

Domains: FN3

Gene Summary: VWA1 belongs to the von Willebrand factor (VWF; MIM 613160) A (VWFA) domain superfamily of extracellular matrix proteins and appears to play a role in cartilage structure and function (Fitzgerald et al., 2002 [PubMed 12062410]).[supplied by OMIM, Nov 2010]

Product images:



Circular map for RG209324