

Product datasheet for **RG214460**

VWA1 (NM_199121) Human Tagged ORF Clone

Product data:

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

ORF Nucleotide Sequence: >RG214460 representing NM_199121
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGGCCGCAGCAGCTCCATGCCACGGAGATCACGTCCAGCGGCTTCCGCCTGGCCTGGCCACCCCTGC
TGACCCGAGACTCGGGCTACTATGTGCTGGAGCTGGTCCCCAGCGCCAGCCGGGGGCTGCAAGACGCCA
GCAGCTGCCAGGGAACGCCACGGAGTGGATCTGGGCCGGCTCGACCCGGACACGGACTACGACGTGGCG
CTAGTGCCTGAGTCCAACGTGCGCTCCTGAGGCCCGAGATCCTGCGGGTGCGCAGCGGCCCGGTGAGG
CAGGGCCGGGGGCTTCGGGCCCGGAGTCGGGGGCTGGGCCGGCCCCACGCAGCTCGCCGCCCTCCCGC
CCCAGAGGAGGCCGGCCAGAGCGCATCGTCATCTCCACGCCCGGCCGCGCAGCCTCCGCGTGAGTTGG
GCCCCAGCGCTGGGCTCAGCCGCGGCGCTCGGCTACCACGTGCAGTTCGGGCCGCTGCGGGCGGGGAGG
CGCAGCGGGTGGAGGTGCCCGGGCGCAACTGCACCACGCTGCAGGGCCTGGCGCCGGGCACCGCCTA
CCTGGTGACCGTGACCGCGCCTTCCGCTCGGGCCGCGAGAGCGCGCTGTCCGCCAAGGCCTGCACGCC
GACGGCCCGCGCCGCGCCACGCCCGTCCCCGCGCCCCGACCCGGGGACCGCCAGCCGTGAGCCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214460 representing NM_199121
Red=Cloning site Green=Tags(s)

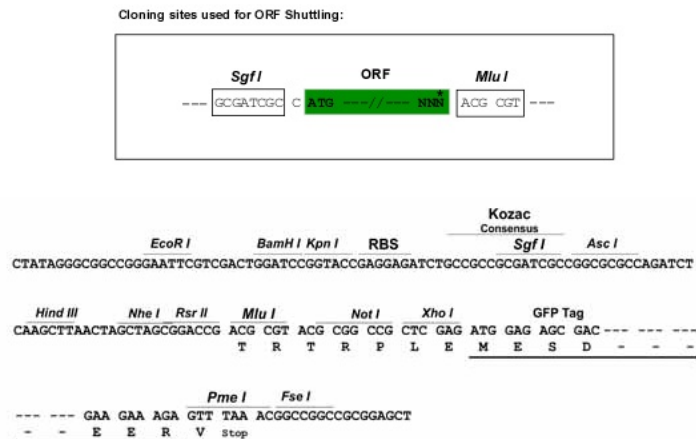
MRPQQLHATEITSSGFRLLWPPLLTADSGYYVLELVPSAQPGAARRQQLPGNATDWIWAGLDPDTDYDVA
LVPESNVRLRLRPQILRVTRPGEAGPGASGPESGAGPAPTQLAALPAPEEAGPERIVISHARPRSLRVSW
APALGSAAALGYHVQFGLRGGEAQRVEVPAGRNCTTLQGLAPGTAYLVTVTAAFRSGRESALSAKACTP
DGPRPRPRVPRAPTPGTASREP

TRTRPLE - GFP Tag - V



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_199121

ORF Size: 699 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: [NM_199121.1](#), [NP_954572.1](#)

RefSeq Size: 2159 bp

RefSeq ORF: 195 bp

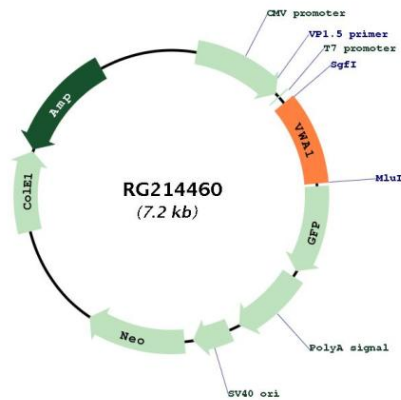
Locus ID: 64856

UniProt ID: [Q6PCB0](#)

Cytogenetics: 1p36.33

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 RG214460