

Product datasheet for **RC214460**

VWA1 (NM_199121) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: VWA1 (NM_199121) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: VWA1
Synonyms: WARP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC214460 representing NM_199121
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCCCTGGACGGCGCTCGGCCTGGCCCTGAGCTTGCGGCTGGCGCTGGCGCGGAGCGGCGGAGC
GCGGAGCTCAAGGACCTGGCGTCACCGTGTTCATTGTCAGCACCAGCCGAGGCAACTTCTGGAGCTGT
CAGCCGCTGCCTCAGCCCTGCCGAGAAGCACCTGCACTTTGTGGACGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC214460 representing NM_199121
Red=Cloning site Green=Tags(s)

MLPWTALGLALSLRLALARSGAERGAQGPGRHRVHCQHRPRQLPGAVSRCLSPCREAPALCGRG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8031_a07.zip

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_199121

ORF Size: 192 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_199121.3](#)

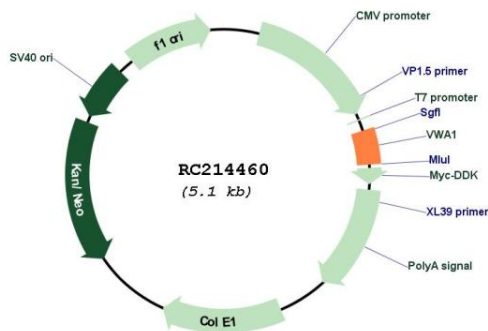
RefSeq Size: 2159 bp

RefSeq ORF: 195 bp

Locus ID: 64856
UniProt ID: [Q6PCB0](#)
Cytogenetics: 1p36.33
MW: 6.6 kDa

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 RC214460