

Product datasheet for RC218497

Von Willebrand Factor (VWF) (NM_000552) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Von Willebrand Factor (VWF) (NM_000552) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Von Willebrand Factor
Synonyms:	F8VWF; VWD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC218497 representing NM_000552 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGATTCCTGCCAGATTTGCCGGGTGCTGCTTGTCTGGCCCTCATTTTGCCAGGGACCCTTTGTGCAG
AAGGAACGCGGCAGGTCATCCACGGCCCGATGCAGCCTTTTCGGAAGTGACTTCGCAACACCTTTGA
TGGGAGCATGTACAGCTTTGCGGGATACTGCAGTTACCTCCTGGCAGGGGGCTGCCAGAAACGCTCCTTC
TCGATTATTGGGACTTCCAGAATGGCAAGAGAGTGAGCCTCTCCGTGTATCTTGGGGAATTTTTGACA
TCCATTTGTTTGTCAATGGTACCGTGACACAGGGGACCAAAGAGTCTCCATGCCCTATGCCTCAAAGG
GCTGTATCTAGAACTGAGGCTGGGTAACAAGCTGTCCGGTGAGGCCTATGGCTTTGTGGCCAGGATC
GATGGCAGCGCAACTTTCAAGTCTGTGTGACAGATACTTCAACAAGACCTGCGGGCTGTGTGGCA
ACTTTAACATCTTTGCTGAAGATGACTTTATGACCCAAGAAGGGACCTTGACCTCGGACCCTTATGACTT
TGCCAACATCATGGGCTCTGAGCAGTGGAGAAGCAGTGGTGTGAACGGGCATCTCCTCCCAGCAGCTCATGC
AACATCTCCTCTGGGAAATGCAGAAGGGCCTGTGGGAGCAGTGCCAGCTTCTGAAGAGCACCTCGGTGT
TTGCCCGCTGCCACCCTCTGGTGGACCCCGAGCCTTTTGTGGCCCTGTGTGAGAAGACTTTGTGTGAGTG
TGCTGGGGGGCTGGAGTGCCTGCCCTGCCCTCCTGGAGTACGCCCGGACCTGTGCCAGGAGGGAATG
GTGCTGTACGGCTGGACCGACCACAGCGGTGCAGCCAGTGTGCCCTGCTGGTATGGAGTATAGGCAT
GTGTGTCCCTTGCGCCAGGACCTGCCAGAGCCTGCACATCAATGAAATGTGTCAGGAGCGATGCCGTGGA
TGCTGCAGCTGCCCTGAGGGACAGCTCCTGGATGAAGGCCTCTGCGTGGAGAGCACCGAGTGTCCCTGC
GTGCATTCGGAAGCGCTACCCTCCCGCACCTCCCTCTCTCGAGACTGCAACACCTGCATTTGCCGAA
ACAGCCAGTGGATCTGCAGCAATGAAGAATGTCCAGGGGAGTGCCTTGTACAGGTCAATCACACTTCAA
GAGCTTTGACAACAGATACTTCACTTTCAGTGGGATCTGCCAGTACCTGCTGGCCCGGGATTGCCAGGAC
CACTCCTTCTCCATTGTCATTGAGACTGTCCAGTGTGCTGATGACCGGACGCTGTGTGCACCCGCTCCG
TCACCGTCCGGCTGCCTGGCCTGCACAACAGCCTTGTGAAACTGAAGCATGGGGCAGGAGTTGCCATGGA
TGCCAGGACGTCCAGCTCCCCCTCTGAAAGGTGACCTCCGCATCCAGCGTACAGTACAGGCTCCGCTG



CGCCTCAGCTACGGGGAGGACCTGCAGATGGACTGGGATGGCCGCGGGAGGCTGCTGGTGAAGCTGTCCC
 CCGTCTATGCCGGGAAGACCTGCGGCCTGTGTGGGAATTACAATGGCAACCAGGGCGACGACTTCCTTAC
 CCCCTCTGGGCTGGCGGAGCCCCGGGTGGAGGACTTCGGGAACGCCTGGAAGCTGCACGGGGACTGCCAG
 GACCTGCAGAAGCAGCACAGCGATCCCTGCGCCCTCAACCCGCGCATGACCAGGTTCTCCGAGGAGGCGT
 GCGCGGTCTGACGTCCCCACATTGAGGCGCTGCCATCGTGCCGTCAGCCCGCTGCCCTACCTGCGGAA
 CTGCCGCTACGACGTGTCTCTGCTCGGACGGCCGCGAGTGCCGTGCGGCGCCCTGCCAGCTATGCC
 CGGCTCGCGGGGAGAGCGTGCCTGCGGTGCGCGGAGCCAGGCCGCTGTGAGCTGAACGCCCGA
 AAGGCCAGGTGTACCTGCAGTGCAGGACCCCTGCAACCTGACCTGCCGCTCTCTCTTACCCGGATGA
 GGAATGCAATGAGGCCTGCCTGGAGGGCTGCTTCTGCCCCCAAGGCTCTACATGGATGAGAGGGGGAC
 TGCGTGCCCAAGGCCAGTGCCCTGTTACTATGACGGTGAGATCTTCCAGCCAGAAGACATCTTCTCAG
 ACCATCACACCATGTGCTACTGTGAGGATGGTTCATGCACTGTACCATGAGTGGAGTCCCCGGAAGCTT
 GCTGCCTGACGCTGTCTCAGCAGTCCCCTGTCTCATCGCAGCAAAGGAGCCTATCCTGTCCGCCCC
 ATGGTCAAGCTGGTGTGTCCCGTGACAACCTGCGGGCTGAAGGGCTCGAGTGTGCCAAAACGTGCCAGA
 ACTACGACCTGGAGTGCATGAGCATGGGCTGTGTCTTGCTGCCTTCCCCCGGGCATGGTCCGGCA
 TGAGAACAGATGTGTGGCCTGAAAGGTGCCCTGCTCCATCAGGGCAAGGAGTATGCCCTGGAGAA
 ACAGTGAAGATTGGCTGCAACACTTGTGTCTGTGGGACCGGAAGTGAAGTGCACAGACCATGTGTGTG
 ATGCCACGTGCTCCACGATCGGCATGGCCCACTACCTCACCTTCGACGGGCTCAAATACCTGTTCCCGG
 GGAGTGCCAGTACGTTCTGGTGCAGGATTACTGCGGCAGTAACCTGGGACCTTTCGGATCCTAGTGGGG
 AATAAGGGATGCAGCCACCCCTCAGTGAATGCAAGAAACGGGTACCATCCTGGTGGAGGGAGGAGAGA
 TTGAGCTGTTTGACGGGGAGGTGAATGTGAAGAGGCCATGAAGGATGAGACTCACTTTGAGGTGGTGA
 GTCTGGCCGTACATCATTCTGTGTGGGCAAAGCCCTCCTGGTGTGGGACCGCCACTGAGCATC
 TCCGTGGTCTGAAGCAGACATAACCAGGAGAAAGTGTGTGGCCTGTGTGGGAATTTGATGGCATCCAGA
 ACAATGACCTACCAGCAGCAACCTCAAAGTGGAGGAAGACCCTGTGGACTTTGGGAACCTGGAAAGT
 GAGCTCGCAGTGTGTGACACCAGAAAAGTGCCTCTGGACTCATCCCTGCCACCTGCCATAACAACATC
 ATGAAGCAGACGATGGTGGATTCTCTGTAGAATCCTTACCAGTGACGCTTCCAGGACTGCAACAAGC
 TGGTGGACCCCGAGCCATATCTGGATGTCTGCATTTACGACACCTGCTCCTGTGAGTCCATTGGGGACTG
 CGCCTGCTTCTGCGACACCATTGCTGCCTATGCCACGTGTGTGCCAGCATGGCAAGGTGGTGCCTGG
 AGGACGGCCACATTGTGCCCCAGAGCTGCGAGGAGAGGAATCTCCGGGAGAACGGGTATGAGTGTGAGT
 GGGCTATAACAGCTGTGCACCTGCCTGTCAAGTCACTGTGACACCCTGAGCCACTGGCCTGCCCTGT
 GCAGTGTGTGGAGGGCTGCCATGCCCACTGCCCTCCAGGGAATACTGGATGAGCTTTTGCAGACCTGC
 GTTGACCTGAAGACTGTCCAGTGTGTGAGGTGGCTGGCCGGGCTTTTGCCTCAGGAAAGAAAGTCACT
 TGAATCCAGTGACCCTGAGCACTGCCAGATTTGCCACTGTGATGTTGTCAACCTCACCTGTGAAGCCTG
 CCAGGAGCCGGGAGGCCTGGTGGTGCCTCCACAGATGCCCCGGTGGAGCCCACTCTGTATGTGGAG
 GACATCTCGGAACCGCCGTTGCACGATTTCTACTGCAGCAGGCTACTGGACCTGGTCTTCTCTGCTGGATG
 GCTCCTCCAGGCTGTCCGAGGCTGAGTTTGAAGTGTGAAGGCCTTTGTGGTGGACATGATGGAGCGGT
 GCGCATCTCCAGAAGTGGTCCGCGTGGCCGTGGTGGAGTACCACGACGGCTCCACGCCTACATCGGG
 CTCAAGGACCGGAAGCGACCGTCAAGCTGCGGCGCATTGCCAGCCAGGTGAAGTATGCGGGCAGCCAGG
 TGGCTCCACCAGCGAGGTCTTGAATAACACACTGTTCAAATCTTCAAGATCGACCCCTGAAGC
 CTCCCGCATCGCCCTGCTCCTGATGGCCAGCAGGAGCCCAACGGATGTCCCGAACTTTGTCGCTAC
 GTCCAGGGCCTGAAGAAGAAGAAGGTCAATGTGATCCCGGTGGCATTGGGCCCCATGCCAACCTCAAGC
 AGATCCGCTCATCGAGAAGCAGCCCTGAGAACAAGGCCTTCGTGCTGAGCAGTGTGGATGAGCTGGA
 GCAGCAAAGGGACGAGATCGTTAGCTACCTCTGTGACCTTGCCCTGAAGCCCTCCTCCTACTCTGCC
 CCCCACATGGCACAAGTCACTGTGGGCCGGGGCTCTTGGGGTTTTCGACCTGGGGCCCAAGGGAAC
 CCATGTTCTGGATGTGGCTTCGTCTGGAAGGATCGGACAAAATTGGTGAAGCCGACTCAACAGGAG
 CAAGGAGTTCATGGAGGAGGTGATTCAGCGGATGGATGTGGCCAGGACAGCATCCACGTACGGTGTG
 CAGTACTCTACATGGTGACCGTGGAGTACCCCTTCAAGGAGGCACAGTCAAAGGGGACATCCTGCAGC
 GGGTGCAGAGATCCGCTACCAGGGCGCAACAGGACCAACTGGGCTGGCCCTGCGGTACCTCTCTGA
 CCACAGCTTCTTGGTCAAGCAGGCTGACCGGGAGCAGGCCCAACCTGGTCTACATGGTACCCGAAAT
 CCTGCCTCTGATGAGATCAAGAGGCTGCCTGGAGACATCCAGGTGGTGGCCATTGGAGTGGGCCCTAATG
 CCAACGTGCAGGAGCTGGAGAGGATTGGCTGGCCCAATGCCCTATCCTCATCCAGGACTTTGAGACGCT
 CCCCCGAGAGGCTCCTGACCTGGTGTGCAGAGGTGTGCTCCGGAGAGGGGCTGCAGATCCCCACCCCT
 TCCCTGCACCTGACTGCAGCCAGCCCTGGACGTGATCCTTCTCTGGATGGCTCCTCCAGTTCCAG

CTTCTATTTTGTGAAATGAAGAGTTTCGCCAAGGCTTTCATTTCAAAGCCAATATAGGGCCTCGTCT
 CACTCAGGTGTCAGTGCAGTATGGAAGCATACCACCATTGACGTGCCATGGAACGTGGTCCCGGAG
 AAAGCCCATTTGCTGAGCCTTGTGGACGTCATGCAGCGGGAGGGAGGCCAGCCAAATCGGGGATGCCT
 TGGGCTTTGCTGTGCGATACTTGACTTCAGAAATGCATGGTGCCAGGCCGGGAGCCTCAAAGCGGTGGT
 CATCCTGGTCACGGACGTCCTGTGGATTGAGTGGATGCAGCAGCTGATGCCCCAGGTCCAACAGAGTG
 ACAGTGTCCCTATTGGAATTGGAGATCGTACGATGCAGCCAGCTACGGATCTTGGCAGGCCAGCAG
 GCGACTCCAACGTGGTGAAGCTCCAGCAATCGAAGACCTCCCTACCATGGTCACCTTGGGCAATTCCCT
 CCTCCACAAACTGTGCTCTGGATTTGTTAGGATTTGCATGGATGAGGATGGGAATGAGAAGAGGCCCGGG
 GACGTCTGGACCTTGCCAGACCAGTGCCACACCCTGACTTGCCAGCCAGATGGCCAGACCTTGCTGAAGA
 GTCATCGGGTCAACTGTGACCGGGGCTGAGGCCTTCGTGCCCTAACAGCCAGTCCCCTGTTAAAGTGGA
 AGAGACCTGTGGCTGCCCTGGACCTGCCCTGTGTGCACAGGCAGCTCCACTCGGCACATCGTGACC
 TTTGATGGGCAGAATTTCAAGCTGACTGGCAGCTGTTCTTATGTCCTATTTCAAACAAGGAGCAGGACC
 TGGAGGTGATTCTCATAATGGTGCCTGCAGCCCTGGAGCAAGGCAGGGCTGCATGAAATCCATCGAGGT
 GAAGCACAGTGCCTCTCCGTCGAGCTGCACAGTGACATGGAGGTGACGGTGAATGGGAGACTGGTCTCT
 GTTCTTACGTGGTGGGAACATGGAAGTCAACGTTTATGGTGCCATCATGCATGAGGTGAGATTCAATC
 ACCTTGGTCACATCTTACATTTCACTCCACAAAACAATGAGTTCCAAGTGCAGCTCAGCCCCAAGACTTT
 TGCTTCAAAGACGTATGGTCTGTGTGGGATCTGTGATGAGAACGGAGCCAATGACTTCATGCTGAGGGAT
 GGCACAGTCAACACAGACTGGAAAACACTTGTTCAGGAATGGACTGTGCAGCGGCCAGGGCAGACGTGCC
 AGCCCCATCTGGAGGAGCAGTGTCTTGTCCCGCAGCTCCCACTGCCAGGTCTCTCTTACCCTGTT
 TGCTGAATGCCACAAGGTCTGGCTCCAGCCACATTCTATGCCATCTGCCAGCAGGACAGTTGCCACCAG
 GAGCAAGTGTGTGAGGTGATCGCCTCTTATGCCACCTCTGTCCGACCAACGGGGTCTGCCTGACTGGA
 GGACACCTGATTTCTGTGCTATGTCATGCCACCATCTGGTCTACAACCACTGTGAGCATGGCTGCC
 CCGGCACTGTGATGGCAACGTGAGCTCCTGTGGGGACCATCCCTCCGAAGGCTGTTTCTGCCCTCCAGAT
 AAAGTCATGTTGGAAGGCAGCTGTGTCCCTGAAGAGGCCCTGCACACTCAGTGCATTGGTGAGGATGGAGTCC
 AGCACCAGTTCCTGGAAGCCTGGGTCCCGGACCACCAGCCCTGTGAGATCTGCACATGCCTCAGCGGGCG
 GAAGGTCAACTGCACAACGCAGCCCTGCCCCACGGCCAAAGCTCCACAGTGTGGCCTGTGTGAAGTAGCC
 CGCCTCCGCCAGAATGCAGACCAGTGTGCCCGAGTATGAGTGTGTGTGACCCAGTGAAGTGTGACC
 TGCCCCCAGTGCCTCACTGTGAACGTGGCTCCAGCCCACTGACCAACCCTGGCGAGTGCAGACCCAA
 CTTACCTGCGCCTGCAGGAAGGAGGAGTGCAAAAGAGTGTCCCCACCCTCTGCCCCCCGACCCGTTT
 CCCACCCTTCGGAAGACCAGTGTGTGATGAGTATGAGTGTGCCTGCAACTGTGTCACTCCACAGTGA
 GCTGTCCCCTTGGTACTTGGCCTCAACCGCCACCAATGACTGTGGCTGTACCACAACCCTGCCTTCC
 CGACAAGTGTGTGCCACCGAAGCACCATCTACCCTGTGGGCCAGTCTGGGAGGAGGGCTGCGATGTG
 TGCACCTGCACCGACATGGAGGATGCCGTGATGGGCTCCGCGTGGCCAGTGTCCCAGAAGCCCTGTG
 AGGACAGCTGTGGTCCGGCTTCACTTACGTTCTGCATGAAGGCGAGTGTGTGGAAGGTGCCTGCCATC
 TGCTGTGAGGTGGTGAAGTGCCTCACCAGCGGGGGACTCCAGTCTTCTGGAAGAGTGTGGCTCCAG
 TGGGCTCCCCGGAGAACCCTGCCTCATCAATGAGTGTGTCCGAGTGAAGGAGGAGGTCTTTATAACAAC
 AAAGGAACGTCTCTGCCCCAGCTGGAGGTCCCTGTCTGCCCTCGGGCTTTAGCTGAGCTGTAAGAC
 CTCAGCGTGTGCCAAAGCTGTGCTGTGAGCGCATGGAGGCTGCATGCTCAATGGCAGTGTCTTGGG
 CCCGGGAAGACTGTGATGATCGATGTGTGCACGACCTGCCGCTGCATGGTGCAGGTGGGGTGCATCTG
 GATTCAAGCTGGAGTGCAGGAAGACCACCTGCAACCCCTGCCCCCTGGGTTACAAGGAAGAAAATAACAC
 AGGTGAATGTTGTGGGAGATGTTTGCTACGGCTTGACCACTTACGTAAGAGGAGGACAGATCATGACA
 CTGAAGCGTGTGAGACGCTCCAGGATGGCTGTGATACTCACTTCTGCAAGGTCAATGAGAGAGGAGAGT
 ACTTCTGGGAGAAGAGGGTCCAGGCTGCCACCCTTTGATGAACACAAGTGTCTGGCTGAGGGAGGTAA
 AATTATGAAAATCCAGGCACCTGCTGTGACACATGTGAGGAGCCTGAGTGAACGACATCACTGCCAGG
 CTGCAGTATGTCAAGGTGGGAAGCTGTAAGTCTGAAGTAGAGGTGGATATCCACTACTGCCAGGGCAAAT
 GTGCCAGCAAAGCCATGTACTCCATTGACATCAACGATGTGCAGGACCAGTGTCTCTGCTCTCCGAC
 ACGGACGGAGCCATGCAGGTGGCCTGCACTGCACCAATGGCTCTGTTGTACCATGAGGTTCTCAAT
 GCCATGGAGTCAAATGTCCCCAGGAAGTGCAGCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC218497 representing NM_000552
 Red=Cloning site Green=Tags(s)

MIPARFAGVLLALALILPGTLCAEGTRGRSSTARCSLFGSDFVNTFDGSMYSFAGYCSYLLAGGCQKRFS
 SIIGDFQNGKRVSLSVYLGEFFDIHLFVNGTVTQGDQRVSMFYASKGLYLETEAGYYKLSGEAYGFVARI
 DGSNGFQVLLSDRYFNKTCGLCGNFNIFAEDDFMTQEGTLTSDPYDFANSWALSSGEQWCERASPPSSSC
 NISSGEMQKGLWEQCQLLKSTSVFARCHPLVDPEPFVALCEKTLCECAGGLECACPALLEYARTCAQEGM
 VLYGWTDHSAACSPVCPAGMEYRQCVCSPARTCQSLHINEMCQERCVDGCSCPEGQLLDEGLCVESTECPC
 VHS GKRYPPGTSLSRDCNTCICRNSQWICSNEECPGECLVTGQSHFKSFDNRYFTFSGICQYLLARDQD
 HSF SIVIETVQCADDRDAVCTRSVTVRLPGLHNSLVKLLKHGAGVAMDGDVQLPLLLKGLDRIQRTVTASV
 RLSYGEDLQMDWDGRGRLLVKLSPVYAGKTCGLCGNYNGNQDDFLTPSGLAEPRVEDFGNAWKLHGDCQ
 DLQKQHS DPCALNPRMTRFSEEACAVLTSPTFEACHRAVSPLPYLRNCRYDVCSCSDGRECLCGALASYA
 AACAGRGRVVAWREPGRCENCPKGVYLCQGTPCNLTCRSL SYPDEECNEACLEGCFPPGLYMDERGD
 CVPKAQCPCYYDGEIFQPEDIFSDHHTMICYCEDGMHCTMSGVPGSLLPDAVLSSPLSHRSKRSLSCRPP
 MVKLVCPADNLAEGLECAKTCQNYDLECMMSGCVSGCLCPPGMVRHENRCVALERCPCFHQKEYAPGE
 TVKIGCNTCVCRDRKWNCTDHVCDATCSTIGMAHYLTFDGLKYLFPGECQYVLVQDYCGSNPQGTFRLLVG
 NKGCSHPSVKCKKRVITILVEGGEIELFDGEVNVKRPMDETHFEVVESGRYIILLGKALSVVWDRHLSI
 SVVLKQTYQEKVCGLCGNFDGIQNNDLTSSNLQVEEDPVDFGNSWKVSSQCADTRKVPDSSPATCHNNI
 MKQTMVDSSCRILTSDVFQDCNKLVDPEPYLDVCIYDTCSESIGDCACFCDTIAAYAHVCAQHGVVVTW
 RTATLCPQSCSEERNLRENGYECEWRYNSCAPACQVTCQHPEPLACPVQCVEGCHAHCPPGKILDELLQTC
 VDPEDCPVEVAGRRFASGKKVTLNPSDPEHCQICHCDVNL TCEACQEPGGLVVPPTDAPVSPTTLVYE
 DISEPLHDFYCSRLLDLVFLLDGSSRLSEAEFEVLKAFVVDMMERLRI SQKWVRVAVVEYHDGSHAYIG
 LKDRKRPELRRIASQVKYAGSQVASTSEVLKYTLFQIFSKIDRPEASRIALLMASQYEQMRMRFVRY
 VQGLKKKVIIVIPVIGIPHANLKQIRLIEKQAPENKAFVLSVDELEQQRDEIVSYLCLDAPEAPPPTLP
 PHMAQVTVGPGLLVSTLGPKRNSMVL DVAFLVLEGS DKI GEADFNRSKEFMEEVIQRMDVQDSIHVTVL
 QYSYMTVEYPFSEAQSKGDILQVRVREIRYQGGNRTNTGLALRYLSDHSFLVSQGDREQAPNLVYMTGN
 PASDEIKRPLPGDIQVVPVIGVGNANVQELERIGWPNAPILIQDFETLPREAPDLVLRQCCSGEGLIPTL
 SPAPDCSQPLDVILLDDGSSFPASYFDEMKSFAKAFISKANIGPRLTQVSVLQYGSITTDVDPWNVVPE
 KAHLLSLVDVMQREGGSPQIGDALGFVRYLTSEMHGARGPASKAVVILVTDVSVDSVDAADAARSNRV
 TVFPIGIGDRYDAAQLRILAGPAGDSNVVKLQRIEDLPTMVTLGNLHKLCSGFVRI CMDEDGNEKRP
 DVWTLDPDQCHTVCQPDGQTLKSHRVNCDRGLRSPCNSQSPVKVEETCGCRWTCPCVCTGSSTRHIVT
 FDGQNFKLTGSCSYVLFQNKQDLEVILHNGACSPGARQCMKSI EVKHSALSVELHSDMEVTVNGRLVS
 VPYVGGNMEVNYGAIMHEVRFNHLGHIFTFPQNNEFQLQLSPKTFASKTYGLCGICDENGANDFMLRD
 GTVTTDWKTLVQEWTVQRPQTQPILEEQLVPDSSHQVLLPLFAECHKVLAPATFYAICQDQDSCHQ
 EQVCEVIAASYAHLCRTNGVVDWRTPDFCAMSCPPSLVYNHCEHGCPRHCDGNVSSCGDHPSEGFCPPD
 KVMLEGS CVPEEACTQCIGEDGVQHQLFLEAWVPDHQPCQICTCLSGRKVNCTTQPCPTAKAPTCLCEVA
 RLRQNAQQCCPEYECVCDPVSCDLPPVPHCERGLQPTLTNPGECPNFTCACRKEECKRVSPSPCPHRL
 PTLRKTQCCDEYECACNCVNSTVSCPLGYLASTATNDGCGTTTTCLPKVCVHRSTIYPVGQFWEEGCDV
 CTCTDMEDAVMGLRVAQCSQKCEDSCRSGFYVLEHEGECGRCLPSACEVVTGSPRGDSQSSWKS SVGSQ
 WASPENPCLINECVRVKEEVFIQQRNVSCPQLEVPVCPSGFQLSCKTSACCPSCRERMEACMLNGTVIG
 PGKTVMIDVCTTCRCMVQVGVISGFKLECRKTTNCPCPLGYKEENNTGECCGRCLPTACTIQLRGQIMT
 LKRDETLQDGCDFHCKVNERGEYFWEKRVTCPPFDEHKCLAEGGKIMKIPGTCCDCEEPENDITAR
 LQYVKGSCSEVEVDIHYCQKCKASKAMYSIDINDVQDQSCCSPTRTEPMQVALHCTNGSVVYHEVLN
 AMECKSPRKCSK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1730_f05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_000552

ORF Size: 8439 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).

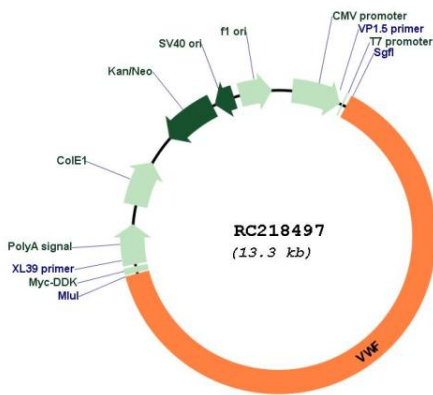
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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_000552.5](#)

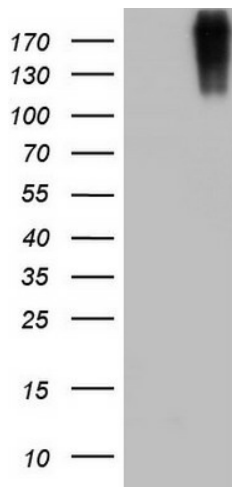
RefSeq Size: 8833 bp

RefSeq ORF:	8442 bp
Locus ID:	7450
UniProt ID:	P04275
Cytogenetics:	12p13.31
Domains:	VWC, VWD, VWA, TIL, CT, Cys_knot
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Complement and coagulation cascades, ECM-receptor interaction, Focal adhesion
MW:	309.3 kDa
Gene Summary:	This gene encodes a glycoprotein involved in hemostasis. The encoded preproprotein is proteolytically processed following assembly into large multimeric complexes. These complexes function in the adhesion of platelets to sites of vascular injury and the transport of various proteins in the blood. Mutations in this gene result in von Willebrand disease, an inherited bleeding disorder. An unprocessed pseudogene has been found on chromosome 22. [provided by RefSeq, Oct 2015]

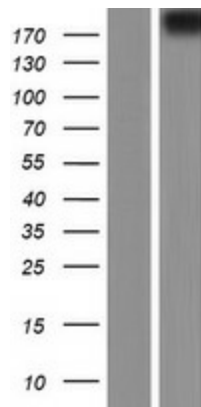
Product images:



Circular map for RC218497



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY VWF (Cat# RC218497, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-VWF(Cat# [TA803449]). Positive lysates [LY424643] (100ug) and [LC424643] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY424643]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218497 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).