

Product datasheet for SC318588

VWA3B (NM_144992) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VWA3B (NM_144992) Human Untagged Clone
Tag:	Tag Free
Symbol:	VWA3B
Synonyms:	SCAR22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318588 representing NM_144992. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGAAATCAGGCCCATCTTCTACCATCTCTGAGCAGCAGCTGCAGAGGCAAGAGGGATGGATTAAC
ACCAAAACAGACTTGGCTGAGCAGAGTCTCATTTTCATCTGAGAAATGGCTTCAACTGCATGGGCTTAAG
AGCAACAAATTGACCTTGAAACAGATTTTGTACAGATCGGATCCACATTGTGAAGATTATGTGGCG
TCTCTGGGAGACCTGTGGCTTCTCGGTATGCTGATGGTCTGTTCCACAGCTCTACAGAGCAGAAGAT
GGCAGAGTATACAATCTGACAGCTAAATCAGAAGTATTTATCAGTTTGTGAACATTTAACACAAGCT
GTGGAGAGCTACAAGCAGCAATGGACTGGCTCACCAGCAAGAGCCGGCAGATTTTGGTGTCTCTTG
GAACAGTGCCTCACCATAGTGTGGATTTTGGCGCATTCTGGAGGGGGAGCTTGATCTGTGCCGAGAG
GCTCTAACAAATGGTTCTCCAGGAGCAGGTGGCTCACATAACCGAGTTCAATATCATACGGGTTTCTCAA
GAGCCTGTGAAGTGGCAGGAAAATGCTACTCTGTGACCGAACAGTCCATAGCTACTGCCATCAGTTGG
GTTGAGAACTGACGGTTGAGCTGACTGTGAGCGAGGCTGGCCGCTGGATGCTCTGCTGGAAGCCGGG
AGAGACAAGACTATTGAATCCATTTACTACTTTGTGGTGGGGATGTTCTGAAGAATCCAAGGAGCTT
CTCCTCCAGAGGGCCTTGGAGATCCCGTGTCCAGTCTACACAGTGTCTTCAACGCCAGAGGAGAAGGC
ACTATAGCTTTTCTAAAGGATCTGAGTGCCAAGACCCACAGCAGATTCACGCATTTGCCGAGAGAACA
GAGTGTGTAGAATTTCTGCATTCTCCACAAAGGATGGTGACAATGTGATGACTTGAATTCAAGGAAA
CTGAAAGGAAAACCTCCCTCCAGGAGCTGGAGTCAGAGAGGACGTGTTTCTCGTTTGGCAAGAGATGGAG
GAAGCCTGCAGCACGCTGGCCAGATCCAGAGGCTGGTGGCCGAGCCTCCCAAGCCCGACGTGGCCACT
GTGGACTGCGAGTCAGAAACAACCTCTGTTGAGATTGCATCGAATCCAGAAGACACCTGGGACTCTAAG
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TTCCGCCACGCTGATGGGTTGTGGATATAAAGCCAAACCGGAGAATGAGTCCGTGCAGACCAAGTGC
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AGCTTGGTCCACGTCAACATTACCAAAGAGAAGTGCAAGTGGTACAGTGAGAGAATCCACACAGCCCTG
GCCCGGATCCGAAGGAGGATTAATGGCTACAGGATGGGAGTCAAAGCCTCTTGAAGATTGCATAAT



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GATTGCATCTACATTCTCATTGACACGTCTCACTCAATGAAGAGCAAACCTGGACTTGGTGAAGGACAAG
 ATCATTCAAGTTCATACAGGAACAGCTGAAATATAAAAGTAAGTTTAACTTTGTGAAGTTTGATGGTCAA
 GCAGTTGCTTGGCGGGAACAACCTTGCTGAAGTCAATGAAGATAATTTGGAACAGGCTCAGTCCTGGATT
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 ACACAGGCAATCTACCTTCTGACCGATGGGAGACCTGATCAGCCACCTGAAACAGTTATAGACCAGGTC
 AAACGTTTTTCAGGAAATTCCTATTTATACCATCTCCTTCAATTACAATGATGAGATTGCAACAGGTTT
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 CCCCAGAGGCTGTTTCAAGATGAAGATCTGACTCTTTTAGTTAAGGAAATGGAACAGGGTCACAGTGAT
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 GGAGACAGCAAGCATCAAAGGAAATCTGTTCTATGATTTCAACCCCAAGAAAGTGCAAAAGCCTCAA
 TCTGATGTCGATTCAACACAACTTCATCTCTGAATATGTTGAAGGGACCATGGGCGCTTTCAGATCAA
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 TCCCTCAGGAGCTCAGCTTGAGTGAAAGGAAGGATGGCTCTCCAATGCCAGCAGCCGGAGGACTGCT
 CTAAGTGACAAAAGAAATGAGCATCTTGCTGGCTGAGGAGTGGCTGGATGACAAATCGTCAGAAAAGGTG
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 TATGGCTTGGTCGCCAAGAACTCACCTCATGGATGCCTTGTCAGTGGCAGCAGTCCCGCACAGCTCC
 ACCTATGTTCCCGTCTGGACAAGCATGTCGTGTCTAAGGTCTTTGATGAGGTGTTCCCTCTGGACAT
 GTGTGCAACGACACAAATAAGATGACATTAATTAACCCCAAGGAGCCAACTCAATATCTACAAGCGA
 AAAGTGGAACAGGCAATTCAATCCTATGAAAAGCGCTTGAATAAAATTGTTTGGCGAGCATTATCTCAA
 GAGGAAAAAGAAAGTTAGATGCAAAACAAACCAATACAGTACTTGGAAAAACAAACAGTTTTAAACCAG
 GCTTTAGAACGGTTGAATTGGCCCATTTCACTGAAAGAGCTGTCGATGCTGGAAGTGAAATCCTAGCT
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 AAAGGACAGAAGGTTATTGCAAGATGTGATGAAAATGGCTTTTATTTTCCAGGGGTTGTGAAGAAGTGT
 GTGAGCCGACCCAAGCACTGGTGGGCTTCAGTTACGGAGACCAAGGTCGTGTCCACCTCCTTCATC
 ACGCCTGTGGGGGCGCCATGCCCTGCCGCTGCTCCAGGTTGGAGATTATGTGTTTGCCAAAATTGTG
 ATACCCAAAGGATTTGACTTCTATGTCCCTGCCATTGTCATAGCACTTCCAATAAGCATGTGGCCACA
 GAAAAATTCTACACAGTTTTGAAGTGTAACAACCGGAGAGAAATTTGCCCTCGGAGTGCATTATTAAG
 ATCAGCCAAAACAAGTATGCGCTCTCTTGCTCTCATATAAAGTCACCCCAATTCCTGAGGATCCAGAA
 GTAGAGGATGTGGAGGCGAGGAACCTGCTTTCTCTTCTGGCCACTGAAAGAAGCGGACACGAGGAT
 TCCAGAGAGCCAAGACGAGAGAAGCCAGGAGGAAAAAGAGGCCCGCCAAGCAGCCACTCCAGCAGGCG
 GCGCCCTCGGACTCGGACGGCTCCTCCACGGCATCAGCTCCCATGGGTCTGCCAGGGGACACACCCC
 GAGCCCAGGACAGCCACCTCCACTTCCCGCGGCCGGCGTCTAGGACTCAGCAGCCACGCCATCATT
 GCCACACCTCCACCTCGAGCAGCCCTGCCTGTACTCTCCAAGCCACCCACAGCAGCAAGGGCTGAGG
 AGCGTCCCTGAGACACTTAA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites: SgfI-MluI

ACCN: NM_144992

Insert Size: 3885 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_144992.4</u>
RefSeq Size:	4765 bp
RefSeq ORF:	3885 bp
Locus ID:	200403
UniProt ID:	<u>Q502W6</u>
Cytogenetics:	2q11.2
MW:	145.7 kDa
Gene Summary:	This gene encodes an intracellular protein that contains a von Willebrand factor type A domain. Intracellular proteins with VWA domains are thought to function in transcription, DNA repair, ribosomal and membrane transport and the proteasome. Mutations in this gene are associated with Spinocerebellar ataxia, autosomal recessive 22. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, May 2017] Transcript Variant: This variant (1) encodes the longer isoform (1).