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 SC120210

VIT (NM_053276) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VIT (NM_053276) Human Untagged Clone
Tag:	Tag Free
Symbol:	VIT
Synonyms:	VIT1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF: >NCBI ORF sequence for NM_053276, the custom clone sequence may differ by one or more nucleotides

ATGAGGACTGTTGTTCTCACTATGAAGGCATCTGTTATTGAAATGTTCCTTGTTTTGCTGGTGACTGGAG
TACATTCAAACAAAGAAACGGCAAAGAAGATTAAAAGGCCCAAGTTCACTGTGCCTCAGATCAACTGCGA
TGTCAAAGCCGGAAAGATCATCGATCCTGAGTTCATTGTGAAATGTCCAGCAGGATGCCAAGACCCCAAA
TACCATGTTTATGGCACTGACGTGTATGCATCCTACTCCAGTGTGTGTGGCGCTGCCGTACACAGTGGTG
TGCTTGATAATTCAGGAGGGAAAATACTTGTTCGGAAGGTTGCTGGACAGTCTGGTTACAAAGGGAGTTA
TTCCAACGGTGTCCAATCGTTATCCCTACCACGATGGAGAGAATCCTTTATCGTCTTAGAAAGTAAACCC
AAAAAGGGTGTAACCTACCCATCAGCTCTTACATACTCATCATCGAAAAGTCCAGCTGCCCAAGCAGGTG
AGACCACAAAAGCCTATCAGAGGCCACCTATTCCAGGGACAACTGCACAGCCGGTCACTCTGATGCAGCT
TCTGGCTGTCACTGTAGCTGTGGCCACCCCCACCACCTTGCCAAGGCCATCCCCTTCTGCTGCTTCTACC
ACCAGCATCCCCAGACCACAATCAGTGGGCCACAGGAGCCAGGAGATGGATCTCTGGTCCACTGCCACCT
ACACAAGCAGCCAAAACAGGCCCAGAGCTGATCCAGGTATCCAAAGGCAAGATCCTTCAGGAGCTGCCTT
CCAGAAACCTGTTGGAGCGGATGTCAGCCTGGGAGAGATGGACTCATGGAAACCTGGATCGGTCCTTTTA
GATGAAGGACTTGTTCCAAAAGAAGAATTGAGCACACAGTCTTTGGAGCCAGTATCCCTGGGAGATCCAA
ACTGCAAAATTGACTTGTCGTTTTTAATTGATGGGAGCACCAGCATTGGCAAACGGCGATTCCGAATCCA
GAAGCAGCTCCTGGCTGATGTTGCCCAAGCTCTTGACATTGGCCCTGCCGGTCCACTGATGGGTGTTGTC
CAGTATGGAGACAACCCTGCTACTCACTTTAACCTCAAGACACACACGAATTCTCGAGATCTGAAGACAG
CCATAGAGAAAATTACTCAGAGAGGAGGACTTTCTAATGTAGGTCGGGCCATCTCCTTTGTGACCAAGAA
CTTCTTTTCCAAAGCCAATGGAAACAGAAGCGGGGCTCCCAATGTGGTGGTGGTGATGGTGGATGGCTGG
CCCACGGACAAAGTGGAGGAGGCTTCAAGACTTGCGAGAGAGTCAGGAATCAACATTTTCTTCATCACCA
TTGAAGGTGCTGCTGAAAATGAGAAGCAGTATGTGGTGGAGCCCAACTTTGCAAACAAGGCCGTGTGCAG
AACAAACGGCTTCTACTCGCTCCACGTGCAGAGCTGGTTTGGCCTCCACAAGACCCTGCAGCCTCTGGTG
AAGCGGGTCTGCGACACTGACCGCCTGGCCTGCAGCAAGACCTGCTTGAACTCGGCTGACATTGGCTTCG
TCATCGACGGCTCCAGCAGTGTGGGGACGGGCAACTTCCGCACCGTCCTCCAGTTTGTGACCAACCTCAC
CAAAGAGTTTGAGATTTCCGACACGGACACGCGCATCGGGGCCGTGCAGTACACCTACGAACAGCGGCTG
GAGTTTGGGTTCGACAAGTACAGCAGCAAGCCTGACATCCTCAACGCCATCAAGAGGGTGGGCTACTGGA
GTGGTGGCACCAGCACGGGGGCTGCCATCAACTTCGCCCTGGAGCAGCTCTTCAAGAAGTCCAAGCCCAA
CAAGAGGAAGTTAATGATCCTCATCACCGACGGGAGGTCCTACGACGACGTCCGGATCCCAGCCATGGCT
GCCCATCTGAAGGGAGTGATCACCTATGCGATAGGCGTTGCCTGGGCTGCCCAAGAGGAGCTAGAAGTCA
TTGCCACTCACCCCGCCAGAGACCACTCCTTCTTTGTGGACGAGTTTGACAACCTCCATCAGTATGTCCC
CAGGATCATCCAGAACATTTGTACAGAGTTCAACTCACAGCCTCGGAACTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_053276 unedited
NNGGGAGTTCACATATTTGTATACGACTCACTATAGGCGGCCGCGAAATTCGCACGAGGT
GATATTTATGAGGACTGTTGTTCTCACTATGAAGGCATCTGTTATTGAAATGTTCCTTGT
TTTGCTGGTGACTGGAGTACATTCAAACAAAGAAACGGCAAAGAAGATTAAAAGGCCCAA
GTTCACTGTGCCTCAGATCAACTGCGATGTCAAAGCCGGAAAGATCATCGATCCTGAGTT
CATTGTGAAATGTCCAGCAGGATGCCAAGACCCCAAATACCATGTTTATGGCACTGACGT
GTATGCATCCTACTCCAGTGTGTGTGGCGCTGCCGTACACAGTGGTGTGCTTGATAATTC
AGGAGGGAAAATACTTGTTCGGAAGGTTGCTGGACAGTCTGGTTACAAAGGGAGTTATTC
CAACGGTGTCCAATCGTTATCCCTACCACGATGGAGAGAATCCTTTATCGTCTTAGAAAG
TAAACCCAAAAAGGGTGTAACCTACCCATCAGCTCTTACATACTCATCATCGAAAAGTCC
AGCTGCCCAAGCAGATCTCTGGTCCACTGCCACCTACACAAGCAGCCAAAACAGGCCCAG
AGCTGATCCAGGTATCCAAAGGCAAGATCCTTCANGAGCTGCCTTCCAGAAACCTGTTGG
GAGCGATGTCAGCCTGNGAGAGATGGACTCATGGAAACCTGNNATCGTCCTTTTAGATGA
AGGACTTGTTCCAAAAGAAGATTGAGCACACAGTCTTTGGAGCCAGTATCCCTGGGAGAT
CCAAACTNGCAAATGACTTGTCGTTNTAATTGATGGGAGCACAGCATTGGCAACGGCGAT
TCCGATNCAGAGCAGCTCTGGCTGATGTGCCCAGCTCTGCATTGNCCCTGCGTCCTGATG
GNGTGTTGTCAGATGGAGACAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_053276 unedited
NGGGTATTACTATGNNACCGCGGCCGCATNCTANGATCGAGTTTTTTTTTTTTTTTTTTG
CATGTCATCCTTCTAAACATTTAATTCAGCAATTCCTACATTGTCATGACAAAAATGAAA
CTTGCTGAGGGTTACAGAGTTCTAATCAGAAATAACAACTTAAAAATCTCACAAAAGCTC
TACGTAAGCCTGTCGTAAGGGCTGCACTGTATTCCGAACATTTATTTTGAAAACAATTGT
CAAAATGTAAAATCTCCAGCACCCTCAACATGATGTAGCCTTTTGGCTCATTCTATACGT
TTGTGATCATCTTTGTAACTCCAAGTTTTGGAATATGAAAAAGCATGATGGCAAAGAATA
ATAACAAGACATTTGTTTCTCCATGCCCTGCCCAAGACTTGATGCACCGTGCGTGCCCCA
TTAAGCGGTGGGGTGGTCCAACACGTCAGTTAGTAAAGCAGCACTTGCTGGTGCTCTGCC
TGCTCTGAATTCAGTTCCGAAGCTGTGAGTTGAACTCTGTACAAATGTTCTGGATGATCC
TGGGGACATACTGATGGAAGGTGTCAAACTCGTCCACAAAGAAAGAATGGTCTCTGGCCG
GGTGAGTGGCAATGACTTCTAGCTTCTCTTGGGCAGCCCAAGCAACGCCTATCGCATAAG
TGATCACTTCCCTCAAATGGGCAACCATGGCTGGGATCCCGGACTTCTCGTAAGACCTCC
GTCCGTGAAGAAGATCAATAACCTTCTCCTGGTGGGCCTGGGACTCTTGAAAAGCTGCTC
CAGGGCAAATTTAAGGGACCCCCCGTGCCGGTGCCACCACTTCAGTAGCCCACCCTCTTG
AGGCCGTGAAGGAGTNAGGCCTGCTGCTGAACTTGTCAAACCCAACCTCAG

Restriction Sites: NotI-NotI

ACCN: NM_053276

Insert Size: 2650 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).

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_053276.2, NP_444506.2
RefSeq Size:	2745 bp
RefSeq ORF:	2082 bp
Locus ID:	5212
UniProt ID:	Q6UXI7
Cytogenetics:	2p22.2
Domains:	VWA, LCCL
Protein Families:	Secreted Protein
Gene Summary:	This gene encodes an extracellular matrix (ECM) protein. The protein may be associated with cell adhesion and migration. High levels of expression of the protein in specific parts of the brain suggest its likely role in neural development. [provided by RefSeq, Jun 2016] Transcript Variant: This variant (1) represents the longest transcript and encodes the shortest isoform (1).