

Product datasheet for **RC220870**

VIT (NM_053276) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | VIT (NM_053276) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | VIT |
| Synonyms: | VIT1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC220870 representing NM_053276
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGACTGTTGTTCTCACTATGAAGGCATCTGTTATTGAAATGTTCTTGTGTTTCTGCTGGTACTGGAG
 TACATTTCAAACAAGAAACGGCAAAGAAGATTAAGGCCCAAGTTCAGTGTGCCTCAGATCAACTGCGA
 TGTCAAAGCCGGAAGATCATCGATCCTGAGTTTATTGTGAAATGTCCAGCAGGATGCCAAGACCCAAA
 TACCATGTTTATGGCACTGACGTGTATGCATCCTACTCCAGTGTGTGGCGCTGCCGTACACAGTGGT
 TGCTTGATAATTCAGGAGGAAAATACTTGTTCGGAAGTTGCTGGACAGTCTGGTTACAAAGGGAGTTA
 TTCCAACGGTGTCCAATCGTTATCCCTACCACGATGGAGAGAATCCTTTATCGTCTTAGAAAAGTAAACCC
 AAAAAGGTGTAACTACCCATCAGCTCTTACATACTCATCATCGAAAAGTCCAGCTGCCAAGCAGGTG
 AGACCACAAAAGCCTATCAGAGGCCACCTATTCCAGGGACAACGCACAGCCGGTCACTCTGATGCAGCT
 TCTGGCTGTCACTGTAGCTGTGGCCACCCACCACCTTGCCAAGGCCATCCCCTCTGCTGCTTCTACC
 ACCAGCATCCCCAGACCACAATCAGTGGGCCACAGGAGCCAGGAGATGGATCTCTGGTCCACTGCCACCT
 ACACAAGCAGCCAAAACAGGCCAGAGCTGATCCAGGTATCCAAAGGCAAGATCCTTCAGGAGCTGCCTT
 CCAGAAACCTGTTGGAGCGGATGTGAGCCTGGGAGAGATGGACTCATGAAAACCTGGATCCGTCCTTTTA
 GATGAAGGACTTGTTCAAAAGAAGAATTGAGCACACAGTCTTTGGAGCCAGTATCCCTGGGAGATCCAA
 ACTGCAAATTTGACTTGTGCTTTTTAATTGATGGGAGCACCAGCATTGGCAAACGGCGATTCCGAATCCA
 GAAGCAGCTCCTGGCTGATGTTGCCAAGCTCTTGACATTGGCCCTGCCGGTCCACTGATGGGTGTTGTC
 CAGTATGGAGACAACCTGCTACTCACTTTAACCTCAAGACACACGAATTCAGATCTGAAGACAG
 CCATAGAGAAAATTACTCAGAGAGGAGGACTTTCTAATGTAGGTGGGCCATCTCCTTTGTGACCAAGAA
 CTCTTTTCCAAAGCCAATGAAAACAGAAGCGGGGCTCCCAATGTGGTGGTGGTATGGTGGATGGCTGG
 CCCACGGACAAAAGTGGAGGAGGCTTCAAGACTTGCAGAGAGTCAAGGAATCAACATTTTCTTCATACCA
 TTGAAGGTGCTGCTGAAAATGAGAAGCAGTATGTGGTGGAGCCAACTTTGCAAACAAGGCCGTGTGCAG
 AACAAACGGCTTCTACTCGCTCCACGTGCAGAGCTGGTTTGGCCTCCACAAGACCCTGCAGCCTCTGGT
 AAGCGGTCTGCGACTGACCGCTGGCCTGCAGCAAGACCTGCTTGAAGTGGCTGACATTGGCTTCG
 TCATCGACGGCTCCAGCAGTGTGGGACGGCAACTCCGCACCGTCTCCAGTTTGTGACCAACCTCAC
 CAAAGAGTTTGAGATTTCCGACACGGACACGCGCATCGGGCCGTGCAGTACACCTACGAACAGCGGCTG
 GAGTTTGGTTCGACAAGTACAGCAGCAAGCCTGACATCCTCAACGCCATCAAGAGGGTGGGCTACTGGA
 GTGGTGGCACCAGCAGGGGGCTGCCATCAACTTCGCCCTGGAGCAGCTTTCAAGAAAGTCAAGGCCAA
 CAAGAGGAAGTTAATGATCCTCATCACCAGCGGAGGTCCTACGACGACGTCCGGATCCCAGCCATGGCT
 GCCCATCTGAAGGGAGTGATCACCTATGCGATAGGCGTTGCCCTGGGCTGCCAAGAGGAGCTAGAAGTCA
 TTGCCACTCACCCGCCAGAGACCCTCTTTGTGGACGAGTTTGACAACCTCCATCAGTATGTCCC
 CAGGATCATCCAGAACATTTGTACAGAGTTCAACTCACAGCCTCGGAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC220870 representing NM_053276
Red=Cloning site Green=Tags(s)

MRTVVLTMKASVIEMFLVLLVTGVHSNKETAKKIKRPKFTVPQINCDVKAGKIIDPEFIVKCPAGCQDPK
 YHVYGTDVYASYSSVCGAAVHSGVLDNSGGKILVRKVAGQSGYKGSYSNGVQSLSLPRWRESFIVLESKP
 KKGVTYPSALTYSSSKSPAAQAGETTKAYQRPPIPGTTAQPVTLMQLLAVTVAVATPTTLPRPSPAAS
 TSIPRPQSVGHRSEQEMDLWSTATYTTSSQNRPRADPGIQRQDPGAAFGKPVGADVSLGEMDSWKPGSVLL
 DEGLVPKEELSTQSLPEVSLGDPNCKIDL SFLIDGSTSIGKRRFRIQKQLLADVAQALDIGPAGPLMGVV
 QYGDNPATHFNLKTHNTRDLKTAIEKITQRGGLSNVGRAISFVTKNFFSKANGNRSGAPNVVVVMVDGW
 PTDKVEEASRLARESGINIFFITIEGAAENEKQYVVEPNFANKAVCRTNGFYSLHVQSWFGLHKTLPQLV
 KRVCDDRLACSKTCLNSADIGFVIDGSSSVGTGNFRTVLQFVTNLKFEFISDTRIGAVQYTYEQRLE
 EFGFDKYSSKPDILNAIKRVGYWSGGTSTGAAINFALQLEFKKSKPNKRKLMILITDGRSYDDVRIPAMA
 AHLKGVITYAIGVAWAAQEELEVIATHPARHSSFVDFDNLHQYVPRIIQNICTEFNSQPRN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_053276

ORF Size: 2079 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_053276.4](#)

RefSeq Size: 2745 bp

RefSeq ORF: 2082 bp

Locus ID: 5212

UniProt ID: [Q6UXI7](#)

Cytogenetics: 2p22.2

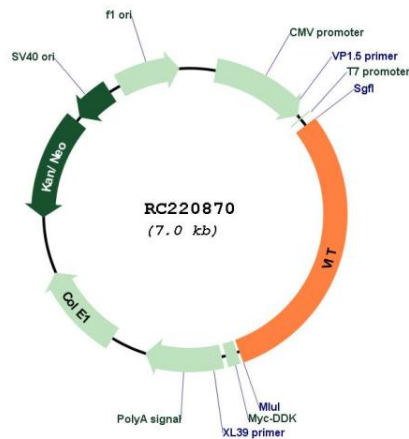
Domains: VWA, LCCL

Protein Families: Secreted Protein

MW: 75.4 kDa

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]

Product images:



Circular map for RC220870