

## Product datasheet for **RG220870**

### VIT (NM\_053276) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VIT (NM_053276) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	VIT
Synonyms:	VIT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide  
Sequence:**

>RG220870 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  
 ACTGCAAATGACTTGTGCTTTTTAATTGATGGGAGCACCAGCATTGGCAAACGGCGATTCCGAATCCA  
 GAAGCAGCTCCTGGCTGATGTTGCCAAGCTCTTGACATTGGCCCTGCCGGTCCACTGATGGGTGTTGTC  
 CAGTATGGAGACAACCTGCTACTCACTTTAACCTCAAGACACACGAATTCTCGAGATCTGAAGACAG  
 CCATAGAGAAAATTACTCAGAGAGGAGGACTTTCTAATGTAGTGGGCCATCTCCTTTGTGACCAAGAA  
 CTCTTTTCCAAAGCCAATGAAAACAGAAGCGGGGCTCCCAATGTGGTGGTGGTATGGTGGATGGCTGG  
 CCCACGGACAAAAGTGGAGGAGGCTTCAAGACTTGCAGAGAGTCAAGGAATCAACATTTTCTTCATACCA  
 TTGAAGGTGCTGCTGAAAATGAGAAGCAGTATGTGGTGGAGCCCAACTTTGCAAACAAGGCCGTGTGCAG  
 AACAAACGGCTTCTACTCGCTCCACGTGCAGAGCTGGTTTGGCCTCCACAAGACCCTGCAGCCTCTGGT  
 AAGCGGTCTGCGACTGACCGCTGGCCTGCAGCAAGACCTGCTTGAAGTGGCTGACATTGGCTTCG  
 TCATCGACGGCTCCAGCAGTGTGGGACGGCAACTCCGCACCGTCTCCAGTTTGTGACCAACCTCAC  
 CAAAGAGTTTGAATTTCCGACACGGACACGCGCATCGGGCCGTGCAGTACACCTACGAACAGCGGCTG  
 GAGTTTGGTTCGACAAGTACAGCAGCAAGCCTGACATCCTCAACGCCATCAAGAGGGTGGGCTACTGGA  
 GTGGTGGCACCAGCAGGGGGCTGCCATCAACTTCGCCCTGGAGCAGCTTTCAAGAAAGTCAAGGCCAA  
 CAAGAGGAAGTTAATGATCCTCATCACCAGCGGAGGTCCTACGACGACGTCCGGATCCCAGCCATGGCT  
 GCCCATCTGAAGGGAGTATCACCTATGCGATAGGCGTTGCCCTGGGCTGCCAAGAGGAGCTAGAAGTCA  
 TTGCCACTCACCCGCCAGAGACCCTCTTTGTGGACGAGTTTGACAACCTCCATCAGTATGTCCC  
 CAGGATCATCCAGAACATTTGTACAGAGTTCAACTCACAGCCTCGGAAC

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >RG220870 representing NM\_053276  
 Red=Cloning site Green=Tags(s)

```
MRTVVLTMKASVIEMFLVLLVTGVHSNKETAKKIKRPKFTVPQINCDVKAGKIIDPEFIVKCPAGCQDPK
YHVYGTDVYASYSSVCGAAVHSGVLDNSGGKILVRKVAGQSGYKGSYSNGVQSLSLPRWRESFIVLESKP
KKGVTYPSALTYSSSKSPAAQAGETTKAYQRPPIPGTTAQPVTLMQLLAVTVAVATPTTLPRPSPAAS
TSIPRPQSVGHRSEQEMDLWSTATYTTSSQNRPRADPGIQRQDPGAAFGKPVGADVSLGEMDSWKPGSVLL
DEGLVPKEELSTQSLPEVSLGDPNCKIDL SFLIDGSTSIGKRRFRIQKQLLADVAQALDIGPAGPLMGVV
QYGDNPATHFNLKTHTN SRDLKTAIEKIQRGGLSNVGRAISFVTKNFFSKANGNRS GAPNVVVVMVDGW
PTDKVEEASRLARESGINIFFITIEGAAENEKQYVVEPNFANKAVCRTNGFYSLHVQSWFGLHKTLPQLV
KRVCDTRLACSKTCLNSADIGFVIDGSSSVGTGNFRTVLQFVTNLKFEFISDTRIGAVQYTYEQRLE
EFGFDKYSSKPDILNAIKRVGYWSGGTSTGAAINFALEQLFKKSKPNKRKLMILITDGRSYDDVRIPAMA
AHLKGVITYAIGVAWAAQEELEVIATHPARDHSFFVDEFDNLHQYVPRIIQNICTEFNSQPRN
```

TRTRPLE - GFP Tag - V

**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.

**RefSeq:** [NM\\_053276.4](#)

**RefSeq Size:** 2745 bp

**RefSeq ORF:** 2082 bp

**Locus ID:** 5212

**UniProt ID:** [Q6UXI7](#)

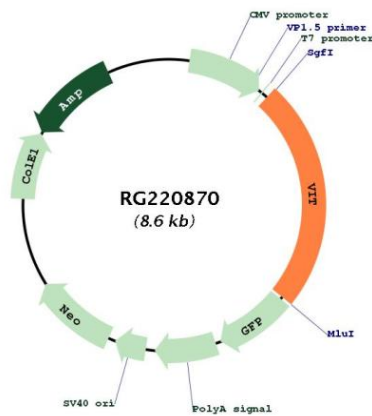
**Cytogenetics:** 2p22.2

**Domains:** VWA, LCCL

**Protein Families:** Secreted Protein

**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 RG220870