

## Product datasheet for **RG230419**

### VIT (NM\_001177969) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VIT (NM_001177969) 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:**

>RG230419 representing NM\_001177969  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGGACTGTTGTTCTCACTATGAAGGCATCTGTTATTGAAATGTTCCCTGTTTTGCTGGTGACTGGAG  
 TACATTTAAACAAGAAACGGCAAAGAAGATTAAGGCCCAAGTTCAGTGTGCCTCAGATCAACTGCGA  
 TGTCAAAGCCGGAAAGATCATCGATCCTGAGTTTATTGTGAAATGTCCAGCAGGATGCCAAGACCCAAA  
 TACCATGTTTATGGCACTGACGTGTATGCATCCTACTCCAGTGTGTGGCGCTGCCGTACACAGTGGTG  
 TGCTTGATAATTCAGGAGGGAAAATACTTGTTCGGAAGTTGCTGGACAGTCTGGTTACAAAGGGAGTTA  
 TTCCAACGGTGTCCAATCGTTATCCCTACCACGATGGAGAGAATCCTTTATCGTCTTAGAAAAGTAAACCC  
 AAAAAGGGTGTAACTACCCATCAGCTCTTACATACTCATCATCGAAAAGTCCAGCTGCCAAGCAGGTG  
 AGACCACAAAAGCCTATCAGAGGCCACCTATTCCAGGGACAACCTGCACAGCCGGTCACTCTGATGCAGCT  
 TCTGGCTGTCACTGTAGCTGTGGCCACCCACCACCTTGCCAAGGCCATCCCCTCTGCTGCTTCTACC  
 ACCAGCATCCCCAGACCACAATCAGTGGGCCACAGGAGCCAGGAGATGGATCTCTGGTCCACTGCCACCT  
 ACACAAGCAGCCAAAACAGGCCAGAGCTGATCCAGGTATCCAAAGGCAAGATCCTTCAGGAGCTGCCTT  
 CCAGAAACCTGTTGGAGCGGATGTGAGCCTGGGACTTGTCCAAAAGAAGATTGAGCACACAGTCTTTG  
 GAGCCAGTATCCCTGGGAGATCCAAACTGCAAAATTGACTTGTGCTTTTTAATTGATGGGAGCACCAGCA  
 TTGGCAAACGGCGATTCCGAATCCAGAAGCAGCTCCTGGCTGATGTTGCCAAGCTTTGACATTGGCCC  
 TGCCGGTCCACTGATGGGTGTTGTCAGTATGGAGACAACCTGCTACTCACTTTAACCTCAAGACACAC  
 ACGAATTTCTGAGATCTGAAGACAGCCATAGAGAAAATTACTCAGAGAGGAGACTTTCTAATGTAGGTC  
 GGGCCATCTCCTTTGTGACCAAGAACTTCTTTTCCAAGCCAATGGAAACAGAAGCGGGGCTCCCAATGT  
 GGTGGTGGTGTGGTGGATGGCTGGCCACGGACAAAAGTGGAGGAGGCTTCAAGACTTGGCAGAGAGTCA  
 GGAATCAACATTTTCTTATCACCATTGAAGGTGCTGCTGAAAATGAGAAGCAGTATGTGGTGGAGCCCA  
 ACTTTGCAACAAGGCCGTGTGCAGAACAACGGCTTCTACTCGTCCACGTGCAGAGCTGGTTTGGCCT  
 CCACAAGACCCTGCAGCCTCTGGTGAAGCGGGTCTGCGACTGACCGCCTGGCCTGCAGCAAGACCTGC  
 TTGAACTCGGCTGACATTGGCTTCGTCATCGACGGCTCCAGCAGTGTGGGACGGGCAACTTCCGCACCG  
 TCCTCCAGTTTGTGACCAACCTCACAAAGAGTTTGTGATTTCCGACACGGACACGCGCATCGGGGCCGT  
 GCAGTACACCTACGAACAGCGGCTGGAGTTTGGGTTGACAAGTACAGCAGCAAGCCTGACATCCTCAAC  
 GCCATCAAGAGGGTGGGCTACTGGAGTGGTGGCACCAGCACGGGGCTGCCATCAACTTCGCCCTGGAGC  
 AGCTCTTCAAGAAGTCCAAGCCCAACAAGAGGAAGTTAATGATCCTCATACCGACGGGAGGTCTACGA  
 CGACGTCCGGATCCCAGCCATGGCTGCCATCTGAAGGGAGTGTACCTATGCGATAGGCGTTGCCTGG  
 GCTGCCAAGAGGAGCTAGAAGTCATTGCCACTCACCCGCCAGAGACCCTCTTCTTTGTGGACGAGT  
 TTGACAACCTCCATCAGTATGTCCCCAGGATCATCCAGAACATTTGTACAGAGTTCAACTCACAGCCTCG  
 GAAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG230419 representing NM\_001177969  
 Red=Cloning site Green=Tags(s)

MRTVVLTMKASVIEMFLVLLVTGVHSNKETAKKIKRPKFTVPQINCDVKAGKIIDPEFIVKCPAGCQDPK  
 YHVYGTDVYASYSSVCGAAVHSGVLDNSGGKILVRKVAGQSGYKGSYSNGVQSLSLPRWRESFIVLESKP  
 KKGVTYPSALTYSSSKSPAAQAGETTKAYQRPPIPGTTAQPVTLMQLLAVTVAVATPTTLPRPSPAAS  
 TSIPRPQSVGHRSEQEMDLWSTATYTSSQNRPRADPGIQRQDPGAAAFQKPVGADVSLGLVPKEELSTQSL  
 EPVSLGDPNCKIDL SFLIDGSTSIGKRRFRIQKQLLADVAQALDIGPAGPLMGVVQYGDNPATHFNLKTH  
 TNSRDLKTAIEKITQRGGLSNVGRAISFVTKNFFSKANGNRSGAPNVVVVMVDGWPTDKVEEASRLARES  
 GINIFFITIEGAAENKQYVVEPNFANKAVCRTNGFYSLHVQSWFGLHKTLPKRVCDTDRLACSKTC  
 LNSADIGFVIDGSSSVGTGNFRTVLQFVTNLKEFEISDTRIGAVQTYEQRLEFGFDKYSSKPDILN  
 AIKRVGYWSSGGTSTGAAINFALQLFKKSKPNKRKLMILITDGRSYDDVRIPAMAHLKGVITYAIGVAW  
 AAQEELEVIATHPARDHSFFVDEFDNLHQYVPRIIQNICTEFNSQPRN

TRTRPLE - GFP Tag - V

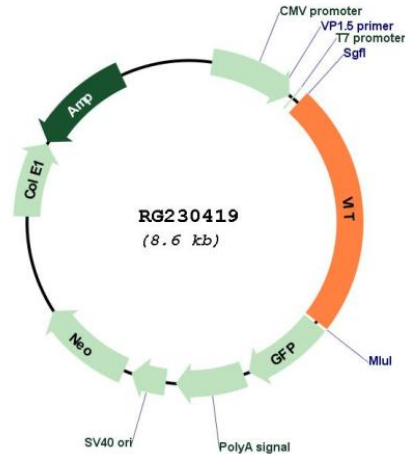
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**


**ACCN:** NM\_001177969

**ORF Size:** 2034 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\\_001177969.1](#), [NP\\_001171440.1](#)

**RefSeq Size:** 2787 bp

RefSeq ORF:	2037 bp
Locus ID:	5212
UniProt ID:	<u>Q6UXI7</u>
Cytogenetics:	2p22.2
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]