

Product datasheet for **RG229681**

VIT (NM_001177972) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: VIT (NM_001177972) 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)
ORF Nucleotide Sequence: >RG229681 representing NM_001177972
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGGACTGTTGTTCTCACTATGAAGGCATCTGTTATTGAAATGTTCTTGTGTTTCTGCTGGTGACTGGAG
 TACATTCAAACAAAGAAACGGCAAAGAAGATTAAGGCCCAAGTTCAGTGTGCCTCAGATCAACTGCGA
 TGTCAAAGCCGGAAAGATCATCGATCCTGAGTTCATTGTGAAATGTCCAGCAGGATGCCAAGACCCAAA
 TACCATGTTTATGGCACTGACGTGTATGCATCCTACTCCAGTGTGTGGCGCTGCCGTACACAGTGGTG
 TGCTTGATAATTCAGGAGGGAAAATACTTGTTCCGGAAGGTTGCTGGACAGTCTGGTTACAAGGGAGTTA
 TTCCAACGGTGTCCAATCGTTATCCCTACCACGATGGAGAGAATCCTTTATCGTCTTAGAAAGTAAACCC
 AAAAAGGGTGTAACCTACCCATCAGCTCTTACATACTCATCATCGAAAAGTCCAGCTGCCAAGCAGGCA
 AGTGCTCACGTGTGATTGAATCTAAACCTTCTGAGTCCATGAACACGCGACGTGTTTTGGGAGATAGCGG
 AGAAATTAACATCTTAACCGGTCAAGCTCCACTGGCTCTGGCAATATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG229681 representing NM_001177972
 Red=Cloning site Green=Tags(s)

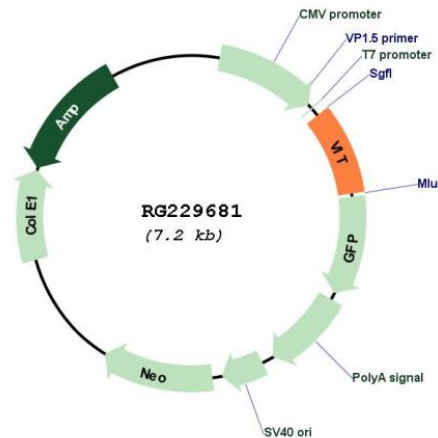
MRTVVLTMKASVIEMFLVLLVTGVHNSKETAKKIKRPKFTVPQINCDVKAGKIIDPEFIVKCPAGCQDPK
 YHYVGTDVYASYSSVCGAAVHSGVLDNSGGKILVRKVAGQSGYKGSYSNGVQSLSLPRWRESFIVLESKP
 KKGVTYPSALTYSSKSPAAQAGKCSRVIKSPSESMNTRRVLGDSGEINILTGQAPLALAI

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001177972

ORF Size: 609 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_001177972.2](#)

RefSeq Size: 1433 bp

RefSeq ORF: 612 bp

Locus ID: 5212

UniProt ID: [Q6UXI7](#)

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]