

## Product datasheet for RC229681

### VIT (NM\_001177972) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** VIT (NM\_001177972) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** VIT  
**Synonyms:** VIT1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC229681 representing NM\_001177972  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAGGACTGTTGTTCTCACTATGAAGGCATCTGTTATTGAAATGTTCTTGTGTTTCTGGTGACTGGAG  
TACATTCAAACAAGAAACGGCAAAGAAGATTAAGGCCCAAGTTCAGTGTGCCTCAGATCAACTGCGA  
TGTCAAAGCCGAAAGATCATCGATCCTGAGTTCATTGTGAAATGTCCAGCAGGATGCCAAGACCCAAA  
TACCATGTTTATGGCACTGACGTGTATGCATCCTACTCCAGTGTGTGGCGCTGCCGTACACAGTGGTG  
TGCTTGATAATTCAAGAGGGAAAATACTTGTTCGGAAGGTTGCTGGACAGTCTGGTTACAAAGGGAGTTA  
TTCCAACGGTGTCCAATCGTTATCCCTACCACGATGGAGAGAATCCTTTATCGTCTTAGAAAAGTAAACCC  
AAAAAGGGTGTAACTACCCATCAGCTCTTACATACTCATCATCGAAAAGTCCAGCTGCCAAGCAGGCA  
AGTGCTCACGTGTGATTGAATCTAAACCTTCTGAGTCCATGAACACGCGACGTGTTTTGGGAGATAGCGG  
AGAAATTAACATCTTAACCGGTCAAGCTCCACTGGCTCTGGCAATATT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC229681 representing NM\_001177972  
Red=Cloning site Green=Tags(s)

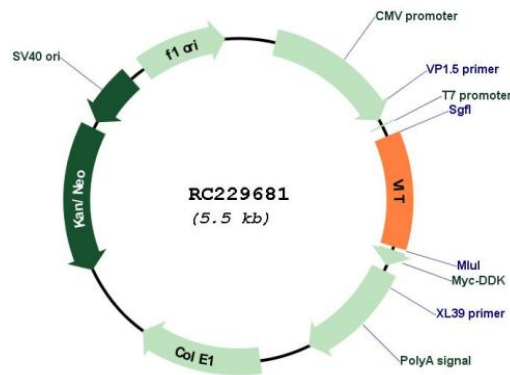
MRTVVLTMKASVIEMFLVLLVTGVHNSKETAKKIKRPKFTVPQINCDVKAGKIIDPEFIVKCPAGCQDPK  
YHVGTDVYASYSSVCGAAVHSGVLDNSGGKILVRKVAGQSGYKGSYNGVQSLSLPRWRESFIVLESKP  
KKGVTYPSALTYSSSKSPAAQAGKCSRVIKSKPSESMNTRRVLGDSGEINILTGQAPLALAI

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-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 ORF:** 612 bp

**Locus ID:** 5212

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

**Cytogenetics:** 2p22.2

**Protein Families:** Secreted Protein

**MW:** 22.2 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]