

## Product datasheet for **SC329057**

### VIT (NM\_001177969) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VIT (NM_001177969) Human Untagged Clone
Tag:	Tag Free
Symbol:	VIT
Synonyms:	VIT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

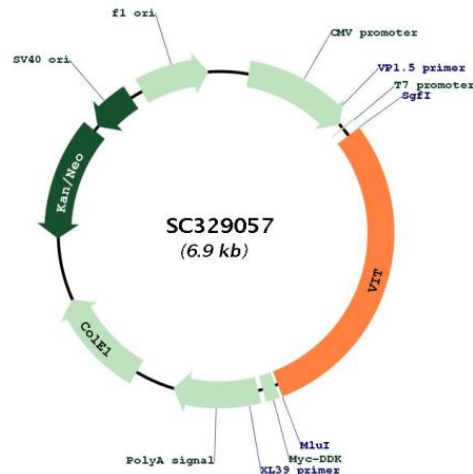


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**Fully Sequenced ORF:** >SC329057 representing NM\_001177969.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGGACTGTTGTTCTCACTATGAAGGCATCTGTTATTGAAATGTTCTTGTGTTTGTGGTGACTGGA
GTACATTCAAACAAAGAAACGGCAAAGAAGATTAAGGAGGCAAGTTCACTGTGCCTCAGATCAACTGC
GATGTCAAAGCCGAAAGATCATCGATCCTGAGTTCATTGTGAAATGTCCAGCAGGATGCCAAGACCCC
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AGTTATTTCCAACGGTGTCCAATCGTTATCCCTACCACGATGGAGAGAATCCTTTATCGTCTTAGAAAGT
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ACACAGTCTTTGGAGCCAGTATCCCTGGGAGATCCAAACTGCAAAATTGACTTGTGCTTTTTAATTGAT
GGGAGCACCAGCATTGGCAAACGGCGATTCCGAATCCAGAAGCAGCTCCTGGCTGATGTTGCCAAAGCT
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CTTTCTAATGTAGGTGCGGCCATCTCCTTTGTGACCAAGAAGTCTTTTCCAAAGCCAATGGAAACAGA
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CTCATACCGACGGGAGTCTACGACGAGTCCGGATCCCAGCCATGGCTGCCATCTGAAGGGAGTG
ATCACCTATGCGATAGGCGTTGCCTGGGCTGCCAAGAGGAGCTAGAAGTCAATGCCACTACCCCGCC
AGAGACCACTCCTTCTTTGTGGACGAGTTTGACAACTCCATCAGTATGTCCCAGGATCATCCAGAAC
ATTTGTACAGAGTTCAACTCACAGCCTCGGAAC TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

**Restriction Sites:** SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_001177969

**Insert Size:** 2037 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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](#)

**RefSeq Size:** 2787 bp

**RefSeq ORF:** 2037 bp

**Locus ID:** 5212

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

**Cytogenetics:** 2p22.2

**Protein Families:** Secreted Protein

**MW:** 73.9 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]  
Transcript Variant: This variant (2) lacks an exon in the coding region compared to variant 1. The resulting protein (isoform 2) is shorter but has the same N- and C-termini compared to isoform 1.