

Product datasheet for **RC230400**

VIT (NM_001177970) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VIT (NM_001177970) 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



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC230400 representing NM_001177970
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGACTGTTGTTCTCACTATGAAGGCATCTGTTATTGAAATGTTCTTGTGTTTGTGGTGACTGGAG
 TACATTTAAACAAGAAACGGCAAAGAAGATTAAGGCCCAAGTTCAGTGTGCCTCAGATCAACTGCGA
 GTCAAAGCCGGAAAGATCATCGATCCTGAGTTTATTGTGAAATGTCAGCAGGATGCCAAGACCCAAA
 TACCATGTTTATGGCACTGACGTGTATGCATCCTACTCCAGTGTGTGGCGCTGCCGTACACAGTGGTG
 TGCTTGATAATTCAGGAGGGAAAATACTTGTTCGGAAGTTGCTGGACAGTCTGGTTACAAAGGGAGTTA
 TTCCAACGGTGTCCAATCGTTATCCCTACCACGATGGAGAGAATCCTTTATCGTCTTAGAAAAGTAAACCC
 AAAAAGGGTGTAACTACCCATCAGCTCTTACATACTCATCATCGAAAAGTCCAGCTGCCAAGCAGGTG
 AGACCACAAAAGCCTATCAGAGGCCACCTATTCCAGGGACAACCTGCACAGCCGGTCACTCTGATGCAGCT
 TCTGGCTGTCACTGTAGCTGTGGCCACCCACCACCTTGCCAAGGCCATCCCCTTCTGTGCTTCTACC
 ACCAGCATCCCCAGACCACAATCAGTGGGCCACAGGAGCCAGGAGATGGATCTCTGGTCCACTGCCACCT
 ACACAAGCAGCCAAAACAGGCCAGAGCTGATCCAGGTATCCAAAGGCAAGATCCTTCAGGAGCTGCCTT
 CCAGAAACCTGTTGGAGCGGATGTCAGCCTGGACTGCAAATGACTTGTGTTTTAATTGATGGGAGC
 ACCAGCATTGGCAAACGGCGATTCCGAATCCAGAAGCAGCTCCTGGCTGATGTTGCCAAGCTCTTGACA
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 GTAGGTCGGGCCATCTCCTTTGTGACCAAGAACTTCTTTTCCAAGCCAATGGAAACAGAAGCGGGGCTC
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 GACCTGCTTGAACCTCGGCTGACATTGGCTTCGTCATCGACGGCTCCAGCAGTGTGGGGACGGGCAACTTC
 CGCACCGTCTCCAGTTTGTGACCAACCTACCAAAGAGTTTGTGATTTCCGACACGGACACGGCATCG
 GGGCCGTGCAGTACACCTACGAACAGCGGCTGGAGTTGGGTTGACAAGTACAGCAGCAGGCTGACAT
 CATCAACGCCATCAAGAGGGTGGGCTACTGGAGTGGTGGCACCAGCACGGGGCTGCCATCAACTTCGCC
 CTGGAGCAGCTTTCAAGAAGTCCAAGCCAACAAGGAAGTTAATGATCCTCATCACCAGCGGGAGGT
 CCTACGACGAGCTCCGGATCCCAGCCATGGCTGCCCATCTGAAGGGAGTGATCACCTATGCGATAGGCGT
 TGCTGGGCTGCCAAGAGGAGCTAGAAGTCATTGCCACTCACCCGCCAGAGACCACTCTTCTTTGTG
 GACGAGTTTGACAACCTCTATCAGTATGTCCCCAGGATCATCCAGAACATTTGTACAGAGTTCAACTCAC
 AGCCTCGGAAC

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC230400 representing NM_001177970
 Red=Cloning site Green=Tags(s)

MRTVVLTMKASVIEMFLVLLVTGVHSNKETAKKIKRPKFTVPQINCDVKAGKIIDPEFIVKCPAGCQDPK
 YHVGTDVYASYSSVCGAAVHSGVLDNSGGKILVRKVAGQSGYKGSYNGVQSLSLPRWRESFIVLESKP
 KKGVTYPSALTYSSSKSPAAQAGETTKAYQRPPIPGTTAQPVTLMQLLAVTVAVATPTTLPRPSPAAS
 TSIPRPQSVGHRSEQEMDLWSTATYTSSQNRPRADPGIQRQDPGAAAFQKPVGADVSLDCKIDL SFLIDGS
 TSIGKRRFRIQKQLLADVAQALDIGPAGPLMGVVQYGDNPATHFNLKHTNSRDLKTAIEKITQRGGLSN
 VGRAISFVTKNFFSKANGNRSGAPNVVVVMVDGWPTDKVEEASRLARESGINIFFITIEGAAENEKQYVV
 EPNFANKAVCRTNGFYSLVHVSFGLHKTLPVLRVCDTRLACSKTCLNSADIGFVIDGSSSVGTGNF
 RTVLQFVTNLKFEFISDTRIGAVQTYEQRLFQFDKYSSRPDIINAIKRVGYWSSGTSTGAAINFA
 LEQLFKKSKPNRKLMLITDGRSYDDVRIPAMAAHLKGVITYAIGVAWAAQEELEVIATHPARDHSFFV
 DEFNLYQYVPRIIQNICTEFNSQPRN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

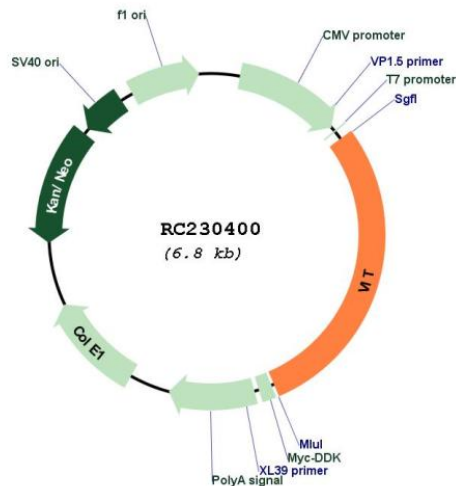
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001177970

ORF Size: 1971 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_001177970.1](#), [NP_001171441.1](#)

RefSeq ORF: 1974 bp

Locus ID: 5212

UniProt ID: [Q6UXI7](#)

Cytogenetics: 2p22.2

Protein Families: Secreted Protein

MW: 72.2 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]