

Product datasheet for **MC220057**

Vit (NM_028813) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vit (NM_028813) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Vit
Synonyms:	1700052E02Rik; 1700110E08Rik; 2810429K11Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220057 representing NM_028813
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGGAATTGTTGTTCCCACTATGAAGGCATCTGTTATTGAAGTGTGCTTGTGTTTCTGGTAACTGGAA
TACATTCAAATAAAGAAACGCCAAAGAAGACTAAAAGGCCAAACTCACTGTGCCTCAGATCAACTGCGA
TGTCAAAGCTGGAAGATCATCAATCCTGAGTTCATGGTGAATGTCCAGCGGGTCCAGGACCCAAA
TACCATGTTTACGGCACTGGCGTCTACGCGTCTTACTCCAGCGTGTGGCGCCGCAATTCACAGCGGTG
TGCTGGATAATTCAGGAGGAAAATACTTGTTCGGAAAGTTGCTGGGCAGTCTGGTTACAAAGGAAGCTA
CTCGAATGGGGTTCAGTCTTTATCTTTACCCAGATGGCGAGAGTCTTCATCGTCGAGAAAAGTAAGCCC
CAAAAGGGTGTAGCCTACCCATCGACTCTTACATATTCATCATCGAAAAGTGCAGCTGCTAAAGCAGGTG
AGACCACAAAAGCCTATGAGAAGCCATCTATTCCAGGGACAACCATACAGCCTGTCACCCGTGACACAGGC
TCAAGCTACCCCTGTAGCTGAGGTACCCACAGATCCACCTCAAAGCCATTTGCAGCATCTGTCACCAAC
AGCCCCAGACCCCAACCTGTGGGCCACAGGAGTCAAGGAGTGAAGAGGTGGACGGGTGGAAGCCTGGAC
CAGTCCTTTTAGATTAGGATTTGTGCCAAAAGAAGAACTCAGCACACAGTCTTCGGAGCCAGTGCCGCA
GGGAGATCCAAACTGCAAAATTGACTTGTCTTCTTAATTGATGGGAGCACAGCATCGGCAAGCGCCGC
TTCCGGATCCAGAAGCAGTTCCTAGCGGACGTCGTCAGGCTCTTGACATCGGCCCTGCCGGTCCCTCTG
TGGGTGTTGTTACAGTACGGAGACAATCTGCTACCCAGTTAACCTCAAACTCACATGAATCTCAAGA
TCTGAAGACAGCTATAGAGAAAATTACCCAGAGAGGAGGCCTTTCTAATGTAGGCCGTGCCATCTCCTTT
GTAACCAAGACCTTCTTTTCAAAGCCAATGGGAACAGAGGTGGTGTCCCAATGTGGCTGTGGTCATGG
TGGATGGCTGGCCACAGACAAGGTGGAAGAGGTGTACAGAGTTGCCAGAGAGTCTGGGATCAACGTCCTT
CTTCATACCGTGAAGGGGCCGCCGAAAGGGACATACAGCATGTGGTGGAGCCCGTTTTTGCAGCAAG
GCAGTGTGCAGAACAAACGGGTTCTACTCTTCAATGTGCAGAGCTGGCTCAGCCTTCACAAAACAGTGC
AGCCCCTGGTGAAGCGGGTCTGCGACACGGACCGCCTAGCCTGCAGCAAGACCTGTTAACTCTGCGGA
CATAGGCTTTGTCATCGATGGGTCTAGCAGCATGGGGACAAGCAACTCCGCACGGTCTGCAGTTCGTCG
GCCAACCTCAGCAAGGAGTTTGAGATTTAGACACCGACACACGCGTCCGGGCGGTGCAGTACACCTACG
AGCAGCGGCTCGAATTTGGGTTGACAAGTATAACAGCAAAGCCGACATCCTCAGTGCCATCAGGAGGT
GGGACTGAGCGGAGGACCAGCACAGGGGCTGCCATCCAGTATGCCCTCGAACAGCTCTTCAAGAAG
TCCAAACCGAACAGAGGAAGGTAAATGATCATTACTGACGGCAGGTCTTACGATGACGTGCGGATCC
CAGCCATGGCTGCCTACCAGAAGGGGTGATCAGTATGCAATAGGCATTGCGTGGGCTGCTCAGGACGA
GCTGGAGGTAATGGCCACTACCCCGCCAAAGACCATTCTTCTTTGTGGATGATTTTGACAACCTCTAC
AAAATTGCCCCAGGATCATCCAGAATATTTGTACAGAGTTCAACTCACAGCCTCGAAACTGA

AC**GGGCCGC**TCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
TTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-NotI

ACCN: NM_028813

Insert Size: 1953 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).

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_028813.2](#), [NP_083089.1](#)

RefSeq Size: 2737 bp

RefSeq ORF: 1953 bp

Locus ID: 74199

UniProt ID: [Q8VHI5](#)

Cytogenetics: 17 E3

Gene Summary: Promotes matrix assembly and cell adhesiveness (PubMed:18757743). Plays a role in spinal cord formation by regulating the proliferation and differentiation of neural stem cells (PubMed:25331329).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).