

Product datasheet for **MC226153**

Vti1a (NM_001293686) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vti1a (NM_001293686) Mouse Untagged Clone
Tag: Tag Free
Symbol: Vti1a
Synonyms: 1110014F16Rik; 1110018K19Rik; 4921537J05Rik; MVti1; MVti1a; Vti1; Vti1-rp2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226153 representing NM_001293686
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTTCGACTTCGAAGGGTACGAGCAGGACTTCGCAGTGCCTACTGCTGAGATCACCAGCAAGATTG
 CAAGGGTCCCTCGCTCCCTCCCGATGAGAAGAAGCAAATGGTTGCCAATGTGGAGAAACAGCTTGAAGA
 GGCCAGAGAACTGCTTGAACAGATGGATTTGGAAGTTCGAGAAATCCACCCCAAAGTCGAGGAATGTAT
 AGCAACAGGATGAGAAGCTACAAGCAAGAAATGGGGAAACTGGAAACGGATTTTAAAAGGTCACGGATCG
 CCTACAGTGACGAAGTACGGAATGAGCTCCTAGGGGATGCTGGGAATTCCTCCGAGAACCAGAGGGCACA
 TCTGCTGGATAACACGGAGAGGCTGAAAGGTCGCTCTCGGAGACTAGAGGCTGGGTACCAGATAGCAGTG
 GAGACTGAGCAAATCGGCCAAGAGATGTTGGAAAACCTGAGTCATGACAGAGAAAAGATACAGCGGGCAC
 GTGACCGACTCCGGGACGCAGATGCAAACCTGGGAAGAGCTCTCGGATTCTGACGGGGATGCTGCGAAG
 GTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001293686
Insert Size: 564 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).



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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001293686.1</u> , <u>NP_001280615.1</u>
RefSeq Size:	4610 bp
RefSeq ORF:	564 bp
Locus ID:	53611
UniProt ID:	<u>O89116</u>
Cytogenetics:	19 D2
Gene Summary:	V-SNARE that mediates vesicle transport pathways through interactions with t-SNAREs on the target membrane. These interactions are proposed to mediate aspects of the specificity of vesicle trafficking and to promote fusion of the lipid bilayers. Involved in vesicular transport from the late endosomes to the trans-Golgi network. Along with VAMP7, involved in a non-conventional RAB1-dependent traffic route to the cell surface used by KCNIP1 and KCND2. May be concerned with increased secretion of cytokines associated with cellular senescence. [UniProtKB/Swiss-Prot Function]