

Product datasheet for **MC205671**

Vmp1 (NM_029478) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vmp1 (NM_029478) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Vmp1
Synonyms:	3110098I04Rik; 4930579A11Rik; AI787464; mir-21a; ni-2; Tango5; Tmem49
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC004013
 CCAGCGGCGGGTGTGAGAGTCGGTGTGTTGTGAGCCGCTTCCAGGATCCTGCGATCCGGAGAAGCCGGGGTC
 TGAGCGGCTCCTCCAGAGTTCCTGATCTATGAAATGGCAGAGAATGGAAAAATTGTGACCAGAGACGCG
 TAGCAATGAGTAAGGATCAGCACAATGGAAGTCTCACAGACCCCTCTTCAGTTCATGAGAAGAAGAGAAG
 GGATCGGAAGAAAGACAGAATATTGCTCTGTGGAGACAGCCACTATTACCTTGCAATTTCTCTCTG
 GAAACTCTGTAGTTTTGAAGGAATGGACCTCAAAATTGTGGCATCGTCAAAGCATTGTGGTGCCTTTT
 TACTGCTGCTTGGCTGCGCTTGTAGCTACGTATTATGTGGAAGGAGCGCACCAACAGTATGTGCAGCGGAT
 AGAGAAGCAGTTTCTTTTGTATGCCTACTGGATAGGCCTGGGGATTTTGCCTCTGTTGGTCTTGAACA
 GGACTGCACACCTTTCTGCTTTATCTGGGCCACATATAGCTTACAGTTACATTAGCTGCTTATGAATGCA
 ATTCGGTGAATTTCCCTGAGCCACCCTATCCTGACCAGATTATCTGCCAGAGGAAGAAGGCGCTGAGGG
 AGCCATTTCTTTGTGGAGTATCATCTCAAAAGTTAGAATTGAAGCCTGCATGTGGGGCATTGGAACAGCC
 ATTGGAGAGCTGCCTCCATTTTCATGGCCAGGCAGCTCGCCTCTCAGGTGCTGAACCAGATGATGAAG
 AGTATCAGGAATTTGAAGAAATGCTGGAACATGCAGAGGCTGCACAAGACTTTGCATCACGGGCTAAACT
 GGCAGTTCAAAACTAGTACAGAAAGTTGGATTTTTTGGAAATTTTGGCCTGTGCTTCTATCCAAACCCC
 CTGTTTACCTGGCTGGAATAACGTGTGGGCACCTCCTTGTACCTTTCTGGACCTTCTTTGGTGAACCC
 TGATTGGGAAAGCAATCATTAAATGCATATCCAGAAAATATTTGTTATAGTAACCTTCAGCAAGCACAT
 CGTGGAGCAGATGGTACTTTTCATTGGTGTGCTCCTGGCATAGGTCCGCTCTGCGAGAAGCCTTTTCAG
 GAGTACCTGGAGGCGCAGCGGCAGAAGCTTCATCACAAGTGAAGCGGGCACACCGCAGGGAGAAAACCT
 GGTATCTCGGATGTTTGAAGCTGGTGGTTCGAATGGTGTGTTACTTTGCTCTGCTATTATTAACCTC
 CATGGCACAAAATATGCCAAACGAATCCAGCAGCGCTTGAACCTCAGAGGAGAAAACCTAAATAAGCAGAG
 AGTTTTTATCTGCAGAAGTTAACATGGTGGAGTCTGCCTTACTGAGGGGCTCTAACAGGAAGGAA
 GGTCCCGTTTCCAACCTGTGTTGATTTTTAAACATTTCTCCTGAAAGCAGTTTAGTCCATATGTTACA
 CTGACATACTTTATTTGTTAAGGTAAGGTGTCTACACCCTCAGTTCATCCACGTCGATTTCTTTAGGGT
 GGATGTGATGTTCTGATGCAAACTTAACAAAACTGGCCTTCTGATACCTTCACAGGGCCACACAGAACC
 TTCTGAAGTATGTTAAATATGTCAGGCTTTTTAGGCTTGCACAATGATTGTTTTTTCTAAGTACCA
 AATGTATATAAGTTATATATATTGGATAGCAATCTTGCATGTCTATCATGGAACAATTTAATATGCCTTC
 CTTTCCCACCCTCAAAAAGGCCATTTTATGACGCATTGCACACCCTCTGGGGAAATTGATCTTTAAATTT
 TGAAACAGTATAAGGAAATCTGGTTGGTGTCTCACAATGAGTACGCCATTTTTTATTCTGTATATTTA
 GAATGAAGTCGTGAAAACTTTATAAAGACATCTTTGATCATTCCGAAAAAAAAAAAAAAAAAAAAAAAA A

Restriction Sites: RsrII-NotI

ACCN: NM_029478

Insert Size: 1221 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: [BC004013](#), [AAH04013](#)

RefSeq Size: 1961 bp

RefSeq ORF: 1221 bp

Locus ID: 75909

UniProt ID: [Q99KU0](#)

Cytogenetics: 11 C

Gene Summary: Stress-induced protein that, when overexpressed, promotes formation of intracellular vacuoles followed by cell death (By similarity). May be involved in the cytoplasmic vacuolization of acinar cells during the early stage of acute pancreatitis (PubMed:17940279). Involved in cell-cell adhesion. Plays an essential role in formation of cell junctions. Plays a role in the initial stages of the autophagic process through its interaction with BECN1. Required for autophagosome formation (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein. COMPLETENESS: complete on the 3' end.