

## Product datasheet for **MC221949**

### Veph1 (NM\_145820) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Veph1 (NM_145820) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Veph1
Synonyms:	2810471M23Rik; Veph
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC221949 representing NM\_145820  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCATCAACTTTTCAGATTGGTTTTGGGACAAAAAGATCTTTCAAAGCTGGGGACCTCTCTCTTTAG  
 ATGATGCTGAGATTGAAGACAGCCTGACAGAAGCTTTGGAGCAGATTAAGTAATTAGCTCATCTTTGGA  
 TTACCAAATAAACAATGACCAGGCGGTGGTTGAAATCTGTATCACAAGGATTACCACAGCCATCAGA  
 GAGACAGAATCCATTGAAAAGCATGCCAGAGCCCTGGTGGGGCTGTGGGATTCTGCTTGGAACACAACC  
 TGAGACCTGCAGGGAAAGACGAAGATACTCCACATGCAAAAATCGCCTCTGATATCATGAGTTGCATCTT  
 ACAGAATTACAACCGACCCCTGTGATGGTCTTAGCTGTCCCATCGCAGTGAAATTCCTCCACAGAGGC  
 AGCAAGGAGCTGTGTAGGAACATGTCCAACCTACCTGTCCCTGGCTGCCATACCAAGGCGGATCTGCTGG  
 CTGACCACACTGAAGGGATAATAAGAGCATACTCCAAGGAAATGCCATGCTGTTAAGGGTGTACCTGC  
 TGTATATGAAAAGCAGCCCAACCAATCAACAGACACCTGGCAGAACTCCTGGCCTTGATGTCTCAATTG  
 GAGCAGACAGAACAGTACCATCTACTAAGGCTTCTGCACGTAGCAGCAAAGAGAAAAGATGTGGAGGTGG  
 TTCAGAAATGTGTTCTTTCTGATCAGAAATTTGAAGGATTCAACCTATAATGACATCATCCTAAACAT  
 TCTCATAGAAATAGCAGGCCATGAGCCACTGGCCTTGAACAGTTTCTCCCGATGCTGAAAGAGATTGCA  
 GAGCAATCCCCTACCTCACTGGACAGATGGCAAGGATCTTTGGTGTGTTGGTCATGTGGATGAAGAGA  
 GAGCCAGGAGCTGCCTACGATACCTGGTGGCCAGCTGGTAATATGGAGCATCCATCCACCATATTCT  
 CCTGCTGGAAATTAAGAGTATCACAGATGCCTTCTCCATCCTGGGCCGCACAGCAGGGACATCTTC  
 CGAATGAGCAACAGCTTACCAACATTGCCAAGCTCCTTCCAGACAAGTGGAAAACAGCAAGGCTGACA  
 GTAGCAGGAGAAAAACCAGCACTGAAGTTAGCATTCTCTGAGAACTGAGAGAACTCAATCCATGGAGCC  
 TGAAGTGAAGACCATGAAAACTCCAAGTTAAAATCCAAGCCTTGAAGACAAAATAAATGCTGAGAGC  
 AATACCCAGGCTCTGGCCGGAGATACAGCTTAGACCACATCTCTAAGGAAGAACGAAAAAGCATTAGAT  
 TTAGCAGTCCAGAAGTTTGGCTTTGAATACTGTGCTCACAACGGTGTGAGTGTGGAAGATAACGAAGT  
 CGAAGAAAAGGCAGGAATGCACGCCAGCATCTCTTTTCGCAATAGACCCACTCAGCCACGGGATTGGC  
 AAGTTGCCCTTTAAGACAGACTCATGGATCACCCTGAGAAATTCCTCAGCTTACACCCAAGTATTA  
 TACATACTGAACCAGAGACTATGCCGAACTTTAAAGAAAACATCCAAGAAGAAATCTAGAGGCAGC  
 CACAAGTCTATTGAATACCAAGATAAGCTCTACTTGCATTTAAGGAAAACCTCAGCAAAGTGAAGGCT  
 TATGCCTTGGAAATCGCAAAAAGGTCCAATCCAGACCAGTGCACCATTGAAGATACTATGAGAAGTT  
 GGGTGGCAAAGCTGTTCTTTACCTGTTCTTTAAAGGGCCATTACTGCCTATACAGCAAGTCCAGCTTCAT  
 CCTTGTACAGCAAGCACCCAGCCGTGGATCCAGGTCATGTTTCTCTCCAACAGAGCCTGTTTCTGAG  
 CCCCTGTCCATTAGAGTGGGTCTGTGCAGTTCCTCAAAGCCCTATGGGAGAAAACGCAGGACACGGGAG  
 CGCACAGCTTTGAAGTCGCCATGACAGAGTCCACCTTTCCACAGCAGAAGGATCTGGAGCAGCTTACGCT  
 CCATCTGGAAGAAGTGGGTTCTTCGACGTGTTTGGCTTCAGTGAACAGCGGGGCATGGCAGTGTCTC  
 ATGTGCAACAACCTGAAAAGGCAACTGTTGTAATCAAGATGGCCAGCCTCTCATCGAAGGAAAACCTTA  
 AGGAGAAAACAGTGAAGTGAAGTTCATCAAGAGGTGAAAACGCATTATTTTACTGGCCGAAACCA  
 ACTTCTGTTTCAAAGGGGAAATCTAAGGATGACCTGATGATTCCCGATAGAAGTCAAGGAAAGTACAG  
 AGCGTGAAGCTGTGGCTAAGAAAACGCCGGACCCTCTCTGCCTCGGGGCTTTGAAATCTTACAGATA  
 GTAAGACCTATGTTTTCAAAGCCAAGGATGAGAAGAACGCAGAGGAATGGCTGCAGTGCATCAACGTGGC  
 GCTGGCCAGGCAAAGGAGAGGGAAAGCCGAGAAGTAACACATATCTG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_145820  
**Insert Size:** 2502 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_145820.3</a> , <a href="#">NP_665819.2</a>
<b>RefSeq Size:</b>	6450 bp
<b>RefSeq ORF:</b>	2502 bp
<b>Locus ID:</b>	72789
<b>UniProt ID:</b>	<a href="#">A1A535</a>
<b>Cytogenetics:</b>	3 E1
<b>Gene Summary:</b>	Interacts with TGF-beta receptor type-1 (TGFB1) and inhibits dissociation of activated SMAD2 from TGFB1, impeding its nuclear accumulation and resulting in impaired TGF-beta signaling. May also affect FOXO, Hippo and Wnt signaling.[UniProtKB/Swiss-Prot Function]