

## Product datasheet for **SC329160**

### VEPH1 (NM\_001167912) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VEPH1 (NM_001167912) Human Untagged Clone
Tag:	Tag Free
Symbol:	VEPH1
Synonyms:	MELT; VEPH
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001167912, the custom clone sequence may differ by one or more nucleotides

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ATGCATCAACTGTTTCAGACTGGTTTTGGGACAAAAAGATCTTTCACGAGCTGGGGACCTC
TTCTCCTTAGATGACTCTGAGATTGAAGACAGCCTTACAGAAGCTTTGGAGCAAATTAAG
ATAATTAGCTCATCTTCAGATTACCAAACCAATAACAATGACCAGGCAGTAGTTGAAATC
TGTATCACAAGAATCACAAACAGCCATCAGAGAGACCGAGTCCATTGAAAAGCATGCAAAG
GCCCTTGTGGGGCTCTGGGACTCTGCTTGGAAACATAACCTGAGACCCCTTTGGGAAAGAC
GAAGACACTCCTCATGCAAAAATCGCATCTGATATCATGAGTTGCATTTTACAGAATTAC
AACCGACCCCCAGTGATGGCATTAGCCATCCCCATTGCAGTGAAAATTCCTCCACAGAGGC
AACAAAGGAACTGTGCAGGAATATGTCTAACTACCTGTCTCTGGCTGCAATTACCAAGGCA
GATCTCCTGGCTGATCACACGGAAGTTATAGTAAAGAGCATACTCCAAGGTAACACCATG
TTGTTGAGAGTGTACCTGCTGTGTATGAAAAGCAGCCTCAGCCAATTAATAGACACCTG
ACAGAACTCCTGGCCTTGATGTCTCAGCTGGAACAGCCAGAACAGTACCATCTACTACGG
CTTTTGCATGTAGCAGCAAAGAAAAACAACCTCGAGGTAGTTCAGAAAGTATTTCCTTTC
CTAATTGGGCATTTGAAGGATTCACCCATAATGACATCATCCTAAACATCCTCATAGAG
ATAGCAGTCTATGAGCCAGTGGCTTTGAACAGTTTTCTTCCAATGCTGAAAGAGATTGGT
GAGAGATTCGCCCTACCTCACTGGACAGATGGCAAGGATTTATGGAGCTGTTGGGCATGTG
GATGAAGAGAGAGCCAGGAGCTGCCTGACATACCTGGTGAGCCAACTGGCCAACATGGAG
CATTTCGTTTACCATATTTCTCCTGCTGGAGATTAAGAGCATCACCGACACCTTCTCCTCA
ATCTTGGGCCCTCAGAGCAGAGACATCTCCGCATGAGCAACAGCTTCACCGCCATTGCT
AACTCCTTACCCGACAACCTGAAAAATACCAAGGCTGGAAGTGGCAGGAGAAAAATCAGC
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GACCATGAAAAACTCCAAGTTAAAAATCCAGGCTTTTGAAGACAAGATAAATGCAGGGAGC
AATACCCCTGGCTCTATCAGAAGATATAGTCTGGGCAAGTTTTCTAAAGAAGAAAGAAAA
AACATTAGATTTAACAGGTCAAAAAGTTTGGCTTTCCACACTATGCTCACAAAGGGTGTG
GGTTCAGATGACGGCAAGATGAAAACAGGGGAGACATACCAGCCAGCATCTCTCTTTCA
GAAATAGACCCACTTGGCCAAGGAAATGACAAGCTGCCGTTTAAAGACAGACACTGAGAGA
TCACAGCTGGGGAGTCTTCAGTTTCATACCCAAATATTATACATATAGACTCAGAGAAT
TTGTCAGAAACTGTTAAAGAAAACCTCCAGGAAGAACTCCAGAGACAACCTGCAAGTCTCT
ATAGAATACCAAGATAAGCTCTACTTGCCTTAAAAAAAACCTCAGCAAAGTGAAGCA
TATGCCATGGAATTTGAAAGAAAGATTCCAGTCCCTGATCAGTGTACCATTGAAGACACT
GTGAGAAGTTGTGTAGCAAAGTTGTTCTTACCTGCTCCCTGAAGGGTCACTACTGCCTA
TACAGTAAGTCCAGTTTTATTCTCATCAGCCAAGAACCTCAGCCATGGATCCAGATCATG
TTTCTATTTTCAGCAGAGCCTGTTTCTGAAACCCCTGTCCATTTCAGAGTCACTCTGTGCAA
TTCTCAGAGCTCTGTGGGAGAAGACCCAGGCAGGGGGTGTCTCACAGCTTTGAACTGCC
ATGATGGAGTCCACGTTTCCACAGCAGAAGGATCTGGACCAGGTACAGTCCATCTGGAA
GAAGTGAAGTTCTTTGACGTGTTTGGCTTCAGTGAACAGCAGGAGCATGGCAATGCTTC
ATGTGCAACAATCCTGAGAAAGCAACTGTTGTAATCAAGATGGCCAGCCTCTCATAGAA
GGAAAACTTAAAGAGAAGCAAGTCAGATGGAAGTTCATCAAAGGTGAAAAACACGCTAT
TTTACTGGCTGGAAATCAACTTCTGTTTCAAAAAGGAAAGTCTAAAGATGACCCCTGAC
GACTGCCCAATAGAACTCAGCAAAGTACAGAGTGTGAAGGCTGTGGCCAAGAAACGAGG
GACCGCTCTCTCCCCGGGCTTTTCGAAATCTTACAGACAATAAAACCTATGTCTTTAAG
GCCAAGGATGAGAAGAATGCAGAAGAATGGCTCCAGTGCATCAACGTGGCAGTTGCCCAA
GCCAAGAAAGGGAAAGTAGAGAAGTAACCACATATCTGTAG

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**Restriction Sites:** Please inquire  
**ACCN:** NM\_001167912

<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>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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>	<u>NM_001167912.1, NP_001161384.1</u>
<b>RefSeq Size:</b>	4122 bp
<b>RefSeq ORF:</b>	2502 bp
<b>Locus ID:</b>	79674
<b>UniProt ID:</b>	<u>Q14D04</u>
<b>Cytogenetics:</b>	3q25.31-q25.32
<b>Gene Summary:</b>	Interacts with TGF-beta receptor type-1 (TGFBR1) and inhibits dissociation of activated SMAD2 from TGFBR1, impeding its nuclear accumulation and resulting in impaired TGF-beta signaling. May also affect FOXO, Hippo and Wnt signaling.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.