

Product datasheet for **SC127949**

VEPH1 (NM_024621) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VEPH1 (NM_024621) Human Untagged Clone
Tag:	Tag Free
Symbol:	VEPH1
Synonyms:	MELT; VEPH
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC127949 sequence for NM_024621 edited (data generated by NextGen Sequencing)

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ATGCATCAACTGTTTCAGACTGGTTTTGGGACAAAAAGATCTTTCACGAGCTGGGGACCTC
TTCTCCTTAGATGACTCTGAGATTGAAGACAGCCTTACAGAAGCTTTGGAGCAAATTAAG
ATAATTAGCTCATCTTCAGATTACCAAACCAATAACAATGACCAGGCAGTAGTTGAAATC
TGTATCACAGAATCACAAACAGCCATCAGAGAGACCGAGTCCATTGAAAAGCATGCAAAG
GCCCTTGTGGGGCTCTGGGACTCTGCTTGGAACATAACCTGAGACCCCTTGGGAAAGAC
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Clone variation with respect to NM_024621.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024621 unedited
 CCTCTATCCCCGCCCGTTGCCGCAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATAT
 AAGCAGAGCTCATTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGC
 CGCGAATTCGGCACGAGGGAAGAGAAGAGAGCCTGAAACTAAACCGGGAGGAATCCACCA
 TTTAGAAGTCTGGCAGGCAAAGAGGACAAGAGAGTGTCAATGAAGACCTCAAAGTCTGGA
 GAAAAATGACCTTTCATGGAATAAGAAGTATACCTCCTTCTACATGTTTTGTCTTACTG
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3' Read Nucleotide Sequence:

>OriGene 3' genomic read for NM_024621 unedited
 TTGCGCATTGGNTGATGGCAACTCCAGGNCCAGNGANAGNCACTGGGGNAGTGGGT
 CACAGGGCATGCCACCCGGTCTGTTCCAGAAACAGCTATGACCGCGGCCGCAATCTAG
 AATTCTGTCTATCATAGTGAATTATATATCTATGTAGTAGAAAAAATAGATGTTTGTA
 ATTTGGAGGTATTAAGTGAATACAAGAAAAAATTATAGAATTTAAAGTCTTAAT
 TTTAATGGAGATGGCACATTATTTGAAGATAGAGAAAAATGGCTTCTATCCTTTTCCCTA
 TATTACACTTAGTGCCTTGGGCAGGATATATGTCCAAGTATCTAACTGTAGATTATATT
 ATATGAACTTAAATGGAATAATTAATAAGTAATTCTGAAAGACAAGTATTTAATGACAT
 AACTGGCTTGATTTGGGAACATTTTACCATGTGTAGCCTCAGTTGTAGTAAGAGAGGA
 TCATGTAATTATATGTCTATAAGTAAGTATATGGTTTTTCTCAGTGTACATTAGTTCAA
 CGTTTTCTAAAGGTTTTTTTTTAAAGTTTTCTTTAATACCTTTGACAGACTGTGATTT
 TCATCAGAAGTGCTAATCTTCCCTCAGGATGGAGAGTTCAGGCATCTTTTCATGTTGTTT
 TCTCACAGTTTTAAATGACATATCTACAGAAGTCTTTTATCAGTGACTTTCCCTTCT
 GGCCCCACACTATCTGAGGGCATACTCTCTAGCTCCTTTTATTTTATTTTGTGGGCATC
 AGATATATTCCGAAGTCAATACCTAAAGCTGTTAGGAGTATGACATTTACTAAGAATCCT
 GCCATTTTAAAGCCCTTCTTCTAAAAGACAACAACCTTCTTTGGTATTTAGAAAAAACA

Restriction Sites:

Please inquire

ACCN:

NM_024621

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_024621.1](#), [NP_078897.1](#)

RefSeq Size: 3044 bp

RefSeq ORF: 2502 bp

Locus ID: 79674

UniProt ID: [Q14D04](#)

Cytogenetics: 3q25.31-q25.32

Domains: PH

Gene Summary: 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]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (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.