

Product datasheet for **RC230522**

VEPH1 (NM_001167912) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VEPH1 (NM_001167912) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VEPH1
Synonyms:	MELT; VEPH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC230522 representing NM_001167912
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCATCAACTGTTCAGACTGGTTTTGGGACAAAAAGATCTTTACAGAGCTGGGACCTCTTCTCCTTAG
 ATGACTCTGAGATTGAAGACAGCCTTACAGAAGCTTTGGAGCAAATTAAGATAATTAGCTCATCTTCAGA
 TTACCAAACCAATAACAATGACCAGGCAGTAGTTGAAATCTGTATCACAAGAATCACAACAGCCATCAGA
 GAGACCGAGTCCATTGAAAAGCATGCAAAGGCCCTTGTGGGGCTCTGGGACTCCTGCTTGGAACATAACC
 TGAGACCCCTTTGGGAAAGACGAAGACACTCCTCATGCAAAAATCGCATCTGATATCATGAGTTGCATTTT
 ACAGAATTACAACCGACCCCGAGTATGGCATTAGCCATCCCATTCAGTGAAATTCCTCCACAGAGGC
 AACAAGGAACTGTGCAGGAATATGTCTAACTACCTGTCTCTGGCTGCAATTACCAAGGCAGATCTCCTGG
 CTGATCACACGGAAGTTATAGTAAAGAGCATACTCCAAGGTAACACCATGTTGTTGAGAGTGTACCTGC
 TGTGTATGAAAAGCAGCCTCAGCCAATTAATAGACACCTGACAGAACTCCTGGCCTTGATGTCTCAGCTG
 GAACAGCCAGAACAGTACCATCTACTACGGCTTTTGCATGTAGCAGCAAAGAAAAACAACCTCGAGGTAG
 TTCAGAAGTGATTCTTTCTAATTGGGCATTTGAAGGATTCAACCCATAATGACATCATCCTAAACAT
 CCTCATAGAGATAGCAGTCTATGAGCCAGTGGCTTTGAACAGTTTTCTTCCAATGCTGAAAGAGATTGGT
 GAGAGATCCCCTACCTCACTGGACAGATGGCAAGGATTTATGGAGCTGTTGGGCATGTGGATGAAGAGA
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 CCTGCTGGAGATTAAGCATCACCGACACCTTCTCCTCAATCTTGGCCCTCAGAGCAGAGACATCTTC
 CGCATGAGCAACAGCTTACCGCCATTGCTAACTCCTTACCCGACAACCTGAAAAATACCAAGGCTGAA
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 TCTCATCAGCCAAGAACCTCAGCCATGGATCCAGATCATGTTTCTATTTCCAGCAGAGCCTGTTTCTGAA
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 ATAAAACCTATGTCTTTAAGCCAAAGGATGAGAAGAATGCAGAAGAATGGCTCCAGTGCATCAACGTGGC
 AGTTGCCCAAGCCAAAGAAAGGAAAGTGAAGAAGTAACCATATCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC230522 representing NM_001167912
 Red=Cloning site Green=Tags(s)

MHQLFRLVLGQKDL SRAGDLFSLDDSEIEDSLTEALEQIKIISSSSDYQTNNDQAVVEICITRITTAIR
 ETESIEKHAKALVGLWDSLEHNL RPF GKDETPHAKIASDIMSCILQYNRPPVMALAPIAVKFLHRG
 NKELCRNMSNYLSLAAITKADLLADHTEVIVKSILQGNTMLLRVLPVYVEKQPQPINRHLELLALMSQL
 EQPEQYHLLRLLHVAAKKKQLEVVQKCI PFLIGHLKDSTHNDIILNILEIAVYEPVALNSFLPMLKEIG
 ERFPYLTQMARIYGAVGHVDEERARSCLTYLVSQLANMEHSFHHILLLEIKSITDTFSSILGPQSRDIF
 RMSNSFTAIAKLLTRQLENTKAGSGRRKISTEIEFPEKLEETKLI VTENEDHEKLQVKIQAFEDKINAGS
 NTPGSIRRYSLGQVSKEERKNIRFNRSKSLAFHTMLTKGVGSDDGEDENRGDIPASISLSEIDPLGQGN
 KLPFKTDTERSQLGESSVSYPNIIHIDSENLPETVKENSQEETPETTASPIEYQDKLYLHLKKNLSKVKA
 YAMEIGKKIPVPDQCTIEDTVRSCVAKLFFTC SLKGHYCLYSKSSFILISQEPQWIQIMFLFQQSLFPE
 PLSIQSHSVQFLRALWEKTQAGGAHSFETAMMESTFPQQKDL DQVQLHLEEVRFDFVGFSETAGAWQCF
 MCNNPEKATVVNQDQPLIEGKLEKQVRWKF IKRWKTRYFTLAGNQLLFQK GKSKDDPDDCPIELSKVQ
 SVKAVAKRRDRSLPRAFEIFTDNKTYVFKAKDEKNAEEWLQ CINVAVAQAKERESREVTYYL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

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_001167912.1](#), [NP_001161384.1](#)

RefSeq ORF: 2502 bp

Locus ID: 79674

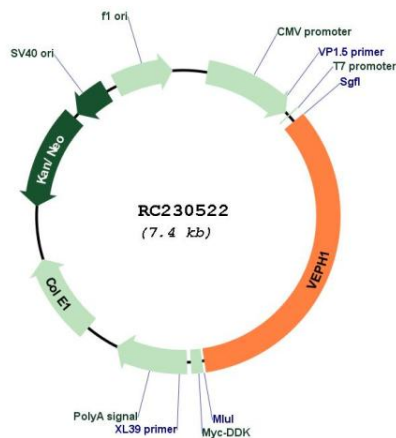
UniProt ID: [Q14D04](#)

Cytogenetics: 3q25.31-q25.32

MW: 95.2 kDa

Gene Summary: 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]

Product images:



Circular map for RC230522