

## Product datasheet for **MR225510**

### Vangl1 (NM\_177545) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Vangl1 (NM_177545) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vangl1
Synonyms:	Kitenin; Lpp2; Stb2; Stbm
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR225510 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATACCGAATCCACGTATTCTGGATATTCCTACTACTCAAGCCATTCCAAAAATCTCACAGGCAAG  
 GGGAAAGAACAAGAGAAAAGACACAAATCACCAAGGAATAAAGATGGCAGAGGGTCAGAAAAGTCTGTCAC  
 CATCCAGGCTCCTGCTGGAGAGCCCTGCTGGCAAATGACTCTGCCCGCACAGGCGCAGAGGAAGTTCAG  
 GATGACAACCTGGGGAGAGACCACCACCGCAATCACAGGCACCTCAGAGCACAGTATATCCCAAGAGGACA  
 TTGCCAGGATTAGCAAGGACATGGAGGACAGTGTGGGGCTGGATTGCAAGCGCTATCTGGGCCTCACCGT  
 TGCCTCGTTCCTGGACTACTTGTCTTCTCACCCCATTCGCTTCATCTGCTACCCCAATCTGTGG  
 AGGGAGGAGCTGAAACCCTGTGGCGCCATTTGTGAGGGACTTCTCATTCTGTATCATTCAAAGTCTTA  
 TTCTGCTCATCGAACCTGGGCACCTTTCTTCCGCAAGCAAAGAGCGGATGTGCCCGGGTGTGTTGTT  
 CCGAGCGTGTACTGGTCTTATCTTTCTTTTGTGGTTTCTACTGGCTTTTTATGGGGTCCGCATT  
 TTGGACTCTCGGGACCAAATACAAGGACATCGTGAATACGCAGTCTCTTGTGGAGCGCTGCTTT  
 TCATCCACTACCTTGCCATCGTCTGCTGGAGCTGAGGCAGCTGCAACCCATGTTACCCCTGCAGGTGGT  
 CCGCTCCACCGACGGAGAGTCCCCTTCTACAGCTGGGACACTTGGCATCCAGCGAGCAGCCTTGGT  
 GTTCTGGAAAATTACTACAAGGACTTACCATCTATAACCCGAACCTCCTAACAGCATCCAAATCCGAG  
 CAGCCAAGCACATGGCTGGCCTGAAAGTCTACAATGTAGATGGGCTAGTAATAACGCCACTGGTCAGTC  
 CCGAGCCATGATTGCTGCAGCAGCTCGGCGCAGAGACTCCAGCCACAACGAGTTGATTAAGAAGAGGCC  
 GAACACGAACGCAGGGTGAAGAAGCGGAGAGCAAGACTGGTAGTGGCTGTGGAGGAAGCCTTCATCCATA  
 TCCAGCGTCTCCAGGCTGAGGAGCAGCAGAAGTCTCCTGGAGAGGTGATGGACCCAGAGAGGCCCA  
 GGCCATCTTCCCCTCCATGGCCAGGGCACTGCAGAAGTACCTGCGCACCCACAGGACGAGCAGCACTACCAC  
 AGCATGGAGAGTATCCTGCAGCACCTGGCCTTCTGCATACCAACAGCATGACCCCAAGGCTTTCCTTG  
 AACGATACCTCAGTGGGGCCCCACCTTGCAGTATGACAAGGATCGATGGCTCTCGACACAGTGGAGACT  
 TATTAGTGAAGGCTGTGACAAACGGTTACGGGATGGAATGTTTTGCTCCTAAATGCTTGGACTTC  
 AGCCTCGTGGTCAATGTGAAGAAAATCCCATTATTGACTCTCAGAAGAGTTCATAGACCCTAAATCTC  
 ACAAGTTTGTCTTCGCTTACAGTCTGAGACATCAGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR225510 protein sequence  
 Red=Cloning site Green=Tags(s)

MDTESTYSYSSSHSKKSHRQGERTRERHKSPRNKDGRGSEKSVTIQAPAGEPLLANDSARTGAEEVQ  
 DDNWGETTAITGTSEHSISQEDIARISKDMEDSVGLDCKRYLGLTVASFLLVFLVFTPIAFILLPQILW  
 REELKPCGAICEGLLISVSFKLLILLIGTWALFFRKQRADVPRVFRALLLVIFLFFVSYWLFYGVRI  
 LDSRDQNYKDIVQYAVSLVDALLFIHYLAIVLLELRQLQPMFTLQVVRSTDGESRFYSLGHLISIQRAALV  
 VLENYYKDFTIYNPNLLTASKFRAAKHMAGLKVYNVDGSPSNATGQSRAMIAAAARRRDSHNELYYEEA  
 EHERRVKKRRARLVVAVEEAFIHIQRLQAEQQKSPGEVMDPREAAQAIFFSMARALQKYLRTTRQQHYH  
 SMESILQHLAFKITNSMTPKAFLELYLSAGPTLQYDKDRWLSTQWRLISEEAVTNGLRDGIIVFLKCLDF  
 SLVVNVKKIPFIVLSEEFIDPKSHKFVLRQLQSETSV

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_177545

**ORF Size:** 1581 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_177545.1](#), [NM\\_177545.2](#), [NM\\_177545.3](#), [NM\\_177545.4](#), [NM\\_177545.5](#), [NP\\_808213.2](#)

**RefSeq Size:** 4214 bp

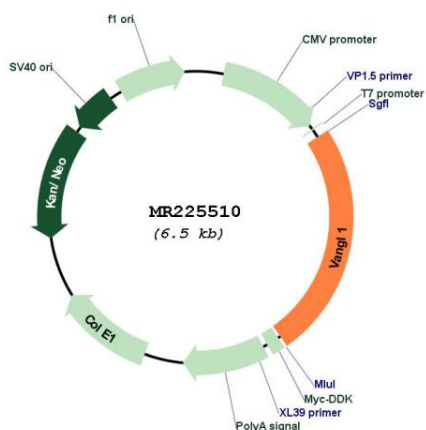
**RefSeq ORF:** 1581 bp

**Locus ID:** 229658

**UniProt ID:** [Q80Z96](#)

Cytogenetics: 3 F2.2  
 MW: 60.1 kDa

**Product images:**



Circular map for MR225510