

## Product datasheet for **MG225512**

### Vangl1 (NM\_001165951) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Vangl1 (NM\_001165951) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Vangl1  
**Synonyms:** Kitenin; Lpp2; Stb2; Stbm  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG225512 representing NM\_001165951  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGATACCGAATCCACGTATTCTGGATATTCCTACTACTCAAGCCATTCAAAAATCTCACAGGCAAG  
 GGGAAAGAACAAGAGAAAGACACAAATCACCAAGGAATAAAGATGGCAGAGGGTCAGAAAAGTCTGTCAC  
 CATCCAGGCTCCTGCTGGAGAGCCCTGCTGGCAAATGACTCTGCCCGCACAGGCGCAGAGGAAGTTCAG  
 GATGACAACCTGGGAGAGACCACCACCGCAATCACAGGCACCTCAGAGCACAGTATATCCCAAGAGGACA  
 TTGCCAGGATTAGCAAGGACATGGAGGACAGTGTGGGGCTGGATTGCAAGCGCTATCTGGGCCTCACCGT  
 TGCTCGTTCCTTGGACTACTTGTCTTCCCTCACCCCATTCGCTTCATCCTGCTACCCCAAATCCTGTGG  
 AGGGAGGAGCTGAAACCCTGTGGCGCCATTTGTGAGGGACTTCTCATTTCTGTATCATTCAAACCTGCTTA  
 TTCTGCTCATCGGAACCTGGGCATTTTCTTCCGCAAGCAAAGAGCGGATGTGCCGCGGGTGTGGTGT  
 CCGAGCGCTGTTACTGGTCTTATCTTTCTTTTGTGGTCTTACTGGCTTTTTATGGGGTCCGCATT  
 TTGGACTCTCGGGACCAAAATTACAAGGACATCGTGCAATACGCAGTCTCTTGTGGACGCGTCTTT  
 TCATCCACTACCTTGCCATCGTCTGCTGGAGCTGAGGCAGCTGCAACCCATGTTACCCCTGCAGGTGGT  
 CCGCTCCACCGACGGAGAGTCCCGCTTCTACAGCTTGGGACACTTGAGCATCCAGCGAGCAGCCTTGGTG  
 GTTCTGGAAAATTACTACAAGGACTTCACCATCTATAACCCGAACCTCCTAACAGCATCCAAATTCGAG  
 CAGCCAAGCACATGGCTGGCTGAAAGTCTACAATGTAGATGGGCTAGTAATAACGCCACTGGTCAGTC  
 CCGAGCCATGATTGCTGCAGCAGCTCGGCGCAGAGACTCCAGCCACAACGAGTTGTATTATGAAGAGGCC  
 GAACACGAACGCAGGGGCACTGCAGAAGTACCTGCGCACACAGGCAGCAGCACTACCACAGCATGGAG  
 AGTATCTGCAGCACCTGGCCTTCTGCATACCAACAGCATGACCCCAAGGCTTTCCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG225512 representing NM\_001165951  
 Red=Cloning site Green=Tags(s)

```
MDTESTYSGYSYSSHSKSHRQGERTRERHKSPRNKDGRGSEKSVTIQAPAGEPLLANDSARTGAEEVQ
DDNWGETTTAITGTSEHSISQEDIARISKDMEDSVGLDCKRYLGLTVASFLLVFLTPIAFILLPQILW
REELKPCGAICEGLLISVSFKLLILLIGTWALFRKQRADVPRVVFRRALLLVIFLFFVVS YWLFYGVRI
LDSRDQNYKDIVQYAVSLVDALLFIHYLAIVLLELRQLQPMFTLQVVRSTDGESRFYSLGHL SIQRAALV
VLENYYKDFTIYNPNLLTASKFRAAKHMAGLKVYNVDGPNNATGQSRAMIAAAARRRDS SHNEL YEEEA
EHERRGTAEVPAHHTAAALPQHGEYPAAPGLLHHQHDPQGF
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001165951

**ORF Size:** 1179 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\\_001165951.2](#), [NP\\_001159423.1](#)

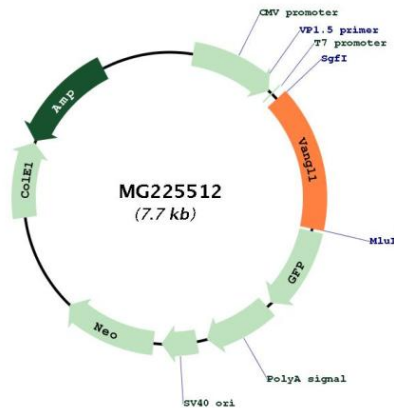
**RefSeq Size:** 3229 bp

**RefSeq ORF:** 1182 bp

**Locus ID:** 229658

**Cytogenetics:** 3 F2.2

**Product images:**



Circular map for MG225512