

Product datasheet for MR22512

Vangl1 (NM_001165951) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vangl1 (NM_001165951) 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)
ORF Nucleotide Sequence: >MR22512 representing NM_001165951
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATACCGAATCCACGTATTCTGGATATTCCTACTACTCAAGCCATTCAAAAATCTCACAGGCAAG
GGGAAAGAACAAGAGAAAGACACAAATCACCAAGGAATAAAGATGGCAGAGGGTCAGAAAAGTCTGTAC
CATCCAGGCTCCTGCTGGAGAGCCCTGCTGGCAAATGACTCTGCCCGCACAGGGCAGAGGAAGTTCAG
GATGACAACTGGGAGAGACCACCACCGCAATCACAGGCACCTCAGAGCACAGTATATCCCAAGAGGACA
TTGCCAGGATTAGCAAGGACATGGAGGACAGTGTGGGGCTGGATTGCAAGCGCTATCTGGGCCTCACCGT
TGCTCGTTCTTGACTACTTGTCTTCCACCCCATTCGCTTCATCCTGCTACCCCAAATCCTGTGG
AGGGAGGAGCTGAAACCCTGTGGCGCCATTTGTGAGGGACTTCTCATTTCTGTATCATTCAAACCTGCTTA
TTCTGCTCATCGGAACCTGGGCATTTTCTTCCGCAAGCAAAGAGCGGATGTGCCCGGGTGTGGTGT
CCGAGCGCTGTTACTGGTCTTATCTTTCTTTTGTGGTTTCTTACTGGCTTTTTATGGGGTCCGCATT
TTGGACTCTCGGGACCAAATTACAAGGACATCGTGCAATACGCAGTCTCTTGTGGACGCGTCTTT
TCATCCACTACCTTGCCATCGTCTGCTGGAGCTGAGGCAGCTGCAACCCATGTTACCCCTGCAGGTGGT
CCGCTCCACCGACGGAGAGTCCCGCTTCTACAGCTTGGGACACTTGAGCATCCAGCGAGCAGCCTTGGTG
GTTCTGGAAAATTACTACAAGGACTTCACCATCTATAACCCGAACCTCCTAACAGCATCCAAATCCGAG
CAGCCAAGCACATGGCTGGCCTGAAAGTCTACAATGTAGATGGGCTAGTAATAACGCCACTGGTCAGTC
CCGAGCCATGATTGCTGCAGCAGCTCGGCGCAGAGACTCCAGCCACAACGAGTTGTATTATGAAGAGGCC
GAACACGAACGCAGGGGCACTGCAGAAGTACCTGCGCACACAGGCAGCAGCACTACCACAGCATGGAG
AGTATCTGCAGCACCTGGCCTTCTGCATACCAACAGCATGACCCCAAGGCTTTCCT

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR225512 representing NM_001165951
 Red=Cloning site Green=Tags(s)

MDTESTYSGYSYSSHSKSHRQGERTRERHKSPRNKDGRGSEKSVTIQAPAGEPLLANDSARTGAEVQ
 DDNWGETTTAITGTSEHSISQEDIARISKDMEDSVGLDCKRYLGLTVASFLLVFLTPIAFILLPQILW
 REELKPCGAICEGLLISVSFKLLILLIGTWALFFRKQRADVPRVVFVFRALLLVLIFLFVVSYWLFYGVRI
 LDSRDQNYKDIVQYAVSLVDALLFIHYLAIVLLELRQLQPMFTLQVVRSTDGESRFYSLGHLISIQRAALV
 VLENYYKDFTIYNPNLLTASKFRAAKHMAGLKVYNVDGSPNNATGQSRAMIAAAARRRDSHNELYYEEA
 EHERRGTAEVPAHHTAAALPQHGEYPAAPGLLHHQHDPQGF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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

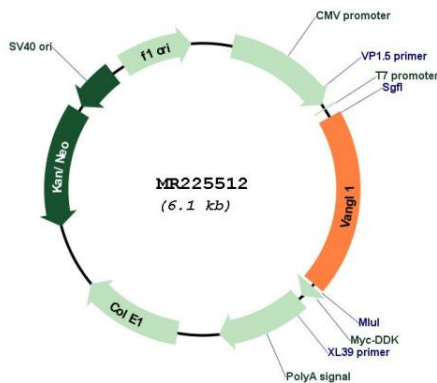
RefSeq ORF: 1182 bp

Locus ID: 229658

Cytogenetics: 3 F2.2

MW: 44.7 kDa

Product images:



Circular map for MR225512