

Product datasheet for **RR200958**

Vangl1 (NM_001109584) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vangl1 (NM_001109584) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vangl1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR200958 representing NM_001109584
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATACCGAATCCACTTATTCTGGATATTCCTACTACTCAAGCCATTCAAAAAATCTCACAGGCAAG
 GGGAAAGAACAAGAGAAAGACACAAATCACCACGGAATAAAGATGGCAGGGGGTCAGAAAAGTCTGTAC
 CATCCAGGCTCCCACTGGAGAGCCCTTGCTGGCGAATGACTCTGCCACACAGGCACAGAGGAAGTTCAG
 GATGACAACCTGGGAGAGACCACACAGCCATCACAGGCACCTCAGAGCACAGTATATCCCAAGAGGACA
 TTGCCAGGATTAGCAAGGACATGGAGGACAGTGTGGGGCTGGATTGCAAGCGCTACCTGGGCCTCACCAT
 TGCCTCGTTCCTCGGACTACTCGTCTTCTCACCCCATCGCCTTCATCTGCTACCCAGATCTGTGG
 AGGGAGGAGCTGAAACCCTGTGGCGCCATTTGTGAGGGACTTCTCATATCTGTATCGTTCAAAGTCTTA
 TCCTGCTCATCGAACCTGGGCGCTTTTCTTCCGCAAGCAAAGAGCGGATGTGCCCGGGTGTGTTGTT
 CCGAGCGTGTATTGGTCCTTATCTTTCTTTTGTGGTTTCTATTGGCTTTTTATGGGGTCCGCATT
 CTGGACTCCCGGACCAAATACAAGGACATCGTGCAATATGCAGTCTCTCTCGTGGATGCGCTGCTTT
 TCATCCACTACCTTGCCATCGTCTGCTGGAAGTGAAGGAGCTGCAACCCATGTTACACTGCAGGTGGT
 CCGCTCCACCGACGGAGAGTCCCGCTTCTACAGCTTGGGACACTTGGCATCCAGCGAGCAGCCTTGGTG
 GTTCTGGAAAACTACTACAAGGACTTCACTATCTATAACCCGAACCTCCTAACAGCATCCAAATCCGAG
 CAGCCAAGCACATGGCTGGCCTGAAAGTCTACAATGTAGATGGGCCAGTAACAATGCCACTGGTCAGTC
 CCGAGCCATGATCGTGCAGCAGCTCGGCGCAGGGACTCCAGCCACAACGAGTTGATTATGAAGAGGCC
 GAACACGAGCGGAGGGTGAAGAAGCGGAGAGCGAGACTGGTGGTGGCTGTGGAAGAAGCCTTCATCCACA
 TCCAGCGCCTCCAGGCTGAGGAGCAGCAGAAGTCTCCAGGGGAGGTGATGGACCCAGAGAGCGGCTCA
 GGCCATCTTCCCTCCATGGCCAGGGCGCTGCAGAAATACCTGCGCACCCCGGACGAGCAGCACTACCAC
 AGCATGGAGAGCATCCTGCAGCACCTGGCCTTCTGCATACCAACAGCATGACCCCAAGGCTTTCCTTG
 AACGATACCTCAGTGCAGGCCACCTTGCAGTATGACAAGGATCGATGGCTCTGCACACAGTGGAGACT
 TATTAGTGACGAGGCTGTGACGAACGGTTACGGGATGGAATTGTTTTGTCCTTAAATGCTTGGACTTC
 AGCCTCGTGGTCAATGTGAAGAAAATCCATTATAGTTCTCTCAGAAGAGTTTATAGACCCATAATCTC
 ACAAGTTTGTCTTCGCTTACAGTCCGAGACATCAGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200958 representing NM_001109584
 Red=Cloning site Green=Tags(s)

MDTESTYSGYSYSSHSKSHRQGERTRERHKSPRNKDGRGSEKSVTIQAPTGEPLLANDSAHTGTEEVQ
 DDNWGETTTAITGTSEHSISQEDIARISKDMEDSVGLDCKRYLGLTIASFLGLLVFLTPIAFILLPQILW
 REELKPCGAICEGLLISVSFKLLILLIGTWALFFRKQRADVPRVVFVFRALLLVIFLFFVSYWLFYGVRI
 LDSRDQNYKDIVQYAVSLVDALLFIHYLAIVLLELRQLQPMFTLQVVRSTDGESRFYSLGHLISIQRAALV
 VLENNYKDFTIYNPNLLTASKFRAAKHMAGLKVYNNVDGSPNNATGQSRAMIAAAARRRDSHNELYYEEA
 EHERRVKKRRARLVVAVEEAFIHIQRLQAEEQKSPGEVMDPREAAQAIFFSMARALQKYLRTTRQQHYH
 SMESILQHLAFICITNSMTPKAFLERYLSAGPTLQYDKDRWLSTQWRLISDEAVTNGLRDGIYFVLKCLDF
 SLVYVNVKIPFIVLSEEFIDPKSHKFLRLQSETSV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

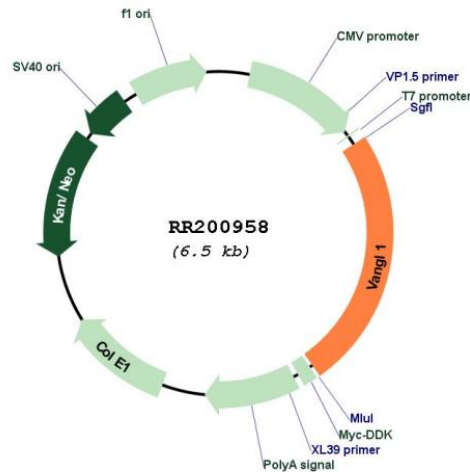
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001109584

ORF Size: 1578 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_001109584.1](#), [NP_001103054.1](#)

RefSeq Size: 2597 bp

RefSeq ORF: 1581 bp

Locus ID: 690366

Cytogenetics: 2q34

MW: 60.1 kDa