

Product datasheet for **SC321976**

VANGL1 (NM_138959) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VANGL1 (NM_138959) Human Untagged Clone
Tag:	Tag Free
Symbol:	VANGL1
Synonyms:	KITENIN; LPP2; STB2; STBM2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC321976
 GCGGCGGCGGCGGCGGGCTCTGCCTCTCCAGGAGCCAGCGCAGGCCGAGAGCCGGGG
 CCGCTGTGAGCCGAGACCGCGGGCCGCGGAGCTCGGGCGGCCGCGGAGAAATTTGTT
 CTGTTGAAGAGTGGCTCCTCTTCTAATTTCCAGACTCCTTGAGGTTTTAGGAGTCTGGTA
 GGTGAAATTTTCTACCTTAAGGAGAAACAGTACCTGCTCCTTCTCAAGCGCAAGCCCT
 CCATTGCTATGGATACCGAATCCACTTATTCTGGATATTCTTACTATTCAAGTCATTCGA
 AAAAAATCTCACAGACAAGGGGAAAGAAGTCTAGAGAGAGACACAAGTCAACCCGGAATAAG
 ACGGCAGAGGGTCAGAAAAGTCTGTCAACCTTCAACCTCCCACTGGAGAGCCCTGTTGG
 GAAATGATTCTACTCGGACAGAGAAAGTTCAGGATGACAAGTGGGGAGAGACCACCACGG
 CCATCACAGGCACCTCGGAGCACAGCATATCCCAAGAGGACATTGCCAGGATCAGCAAGG
 ACATGGAGGACAGCGTGGGGCTGGATTGCAAACGCTACCTGGGCCTCACCGTCGCCTCTT
 TTCTTGGACTTCTAGTTTTCTCACCCCTATTGCCTTCATCCTTTTACCTCCGATCCTGT
 GGGAGGATGAGCTGGAGCCTTGTGGACAATTTGTGAGGGGCTCTTTATCTCCATGGCAT
 TCAAACCTCTCATTCTGCTCATAGGGACCTGGGCACTTTTTTCCGAAGCGGAGAGCTG
 ACATGCCACGGGTGTTTGTGTTTCGTGCCCTTTTGTGGTCTCATCTTTCTTTGTGG
 TTTCTATTGGCTTTTTACGGGTCCGCATTTTGGACTCTCGGACCGGAATTACCAGG
 GCATTGTGCAATATGCAGTCTCCCTTGTGGATGCCCTCCTCTTATCCATTACCTGGCCA
 TCGTCTGCTGGAGCTCAGGCAGCTGCAGCCATGTTACGCTGCAGGTGGTCCGCTCCA
 CCGATGGCGAGTCCCGCTTCTACAGCCTGGGACACCTGAGTATCCAGCGAGCAGCATTGG
 TGGTCTAGAAAATTAACAAGATTTACCATCTATAACCCAAACCTCCTAACAGCCT
 CCAAATCCGAGCAGCCAAGCATATGGCCGGGCTGAAAGTCTACAATGTAGATGGCCCA
 GTAACAATGCCACTGGCCAGTCCCGGCCATGATTGCTGCAGTCTCGGCGCAGGGACT
 CAAGCCACAACGAGTTGTATTATGAAGAGGCCGAACATGAACGGCGAGTAAAGAAGCGGA
 AAGCAAGGCTGGTGGTTGCAAGTGGAGGCGCTTCCATCCACATTACGCGTCTCCAGGCTG
 AGGAGCAGCAGAAAGCCCGAGGGAGGTGATGGACCCTAGGGAGGCCGCCAGGCCATTT
 TCCCTCCATGGCCAGGGCTCTCCAGAAGTACCTGCGCATCACCCGCGCAGCAGAAGTACC
 ACAGCATGGAGAGCATCCTGCAGCACCTGGCCTTCTGCATCACCAACGGCATGACCCCA
 AGGCCTTCTAGAACGGTACCTCAGTGGGGCCCCACCCTGCAATATGACAAGGACCGCT
 GGCTCTACACAGTGGAGGCTTGTGAGTATGAGGCTGTGACTAATGGATTACGGGATG
 GAATTGTGTTTCGCTTAAAGTCTTGGACTTACGCTCGTAGTCAATGTGAAGAAATTC
 CATTATCATACTCTCTGAAGAGTTCATAGACCCCAAATCTCACAAATTTGCTCTCGCT
 TACAGTCTGAGACATCCGTTTAAAAGTTCTATATTTGTGGCTTTATTAATAAAAAAAAAA
 AAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_138959

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<ol style="list-style-type: none">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_138959.2 , NP_620409.1
RefSeq Size:	8691 bp
RefSeq ORF:	1575 bp
Locus ID:	81839
UniProt ID:	Q8TAA9
Cytogenetics:	1p13.1
Protein Families:	Transmembrane
Protein Pathways:	Wnt signaling pathway
Gene Summary:	<p>This gene encodes a member of the tetraspanin family. The encoded protein may be involved in mediating intestinal trefoil factor induced wound healing in the intestinal mucosa. Mutations in this gene are associated with neural tube defects. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Feb 2010]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Both variants 1 and 2 encode the same isoform (1).</p>