

## Product datasheet for **SC328859**

### VANGL1 (NM\_001172411) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VANGL1 (NM_001172411) Human Untagged Clone
Tag:	Tag Free
Symbol:	VANGL1
Synonyms:	KITENIN; LPP2; STB2; STBM2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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<b>Fully Sequenced ORF:</b>	>NCBI ORF sequence for NM_001172411, the custom clone sequence may differ by one or more nucleotides ATGGATACCGAATCCACTTATTCTGGATATTCTTACTATTCAAGTCATTCGAAAAATCT CACAGACAAGGGGAAAGAAGTAGAGAGAGACACAAGTCACCCCGGAATAAAGACGGCAGA GGGTCAGAAAAGTCTGTACCATTCAACCTCCCACTGGAGAGCCCTGTTGGGAAATGAT TCTACTCGGACAGAGGAAGATGACAACCTGGGGAGAGACCACCACGGCCATCACAGGCACC TCGGAGCACAGCATATCCCAAGAGGACATTGCCAGGATCAGCAAGGACATGGAGGACAGC GTGGGGCTGGATTGCAAACGCTACCTGGGCCTCACCGTCGCCTCTTTTCTTGACTTCTA GTTTTCTCACCCCTATTGCCTTCATCCTTTTACCTCCGATCCTGTGGAGGGATGAGCTG GAGCCTTGTGGCACAATTTGTGAGGGGCTCTTTATCTCCATGGCATTCAAACCTCCTCATT CTGCTCATAGGGACCTGGGCACTTTTTTCCGCAAGCGGAGAGCTGACATGCCACGGGTG TTTGTGTTTCGTGCCCTTTTGTGGTCTCATCTTTCTTTGTGGTTTCTATTGGCTT TTTTACGGGTCCGCATTTTGGACTCTCGGGACCGGAATTACCAGGCATTGTGCAATAT GCAGTCTCCCTTGTGGATGCCCTCCTTTCATCCATTACCTGGCCATCGTCTGTGGAG CTCAGGCAGCTGCAGCCATGTTACGCTGCAGGTGGTCCGCTCCACCGATGGCGAGTCC CGCTTCTACAGCCTGGGACACCTGAGTATCCAGCGAGCAGCATTGGTGGTCTAGAAAAT TACTACAAAGATTTACCATCTATAACCCAAACCTCCTAACAGCCTCAAATTCGGAGCA GCCAAGCATATGGCCGGGCTGAAAGTCTACAATGTAGATGGCCCCAGTAAACAATGCCACT GGCCAGTCCCAGGCCATGATTGCTGCAGCTGCTCGGCGCAGGGACTCAAGCCACAACGAG TTGTATTATGAAGAGGCCGAACATGAACGGCGAGTAAAGAAGCGGAAAGCAAGGCTGGTG GTTGCAGTGGAAGAGGCCTTTCATCCACATTCAGCGTCTCCAGGCTGAGGAGCAGCAGAAA GCCCCAGGGGAGGTGATGGACCTAGGGAGGCCGCCAGGCCATTTCCCTCCATGGCC AGGGCTCTCCAGAAGTACCTGCGCATCACCCGGCAGCAGAACTACCACAGCATGGAGAGC ATCCTGCAGCACCTGGCCTTCTGCATCACCAACGGCATGACCCCAAGGCCTTCTAGAA CGGTACCTCAGTGCGGGCCCCACCTGCAATATGACAAGGACCGTGGCTCTCTACACAG TGGAGGCTTGTAGTGTGAGGCTGTGACTAATGGATTACGGGATGGAATTGTGTTTCGTC CTTAAGTGCTTGGACTTCAGCCTCGTAGTCAATGTGAAGAAAATTCATTTCATCATACTC TCTGAAGAGTTTCATAGACCCCAATCTCACAATTTGTCCTTCGCTTACAGTCTGAGACA TCCGTTTAA
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001172411
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001172411.1, NP_001165882.1</u>
<b>RefSeq Size:</b>	8685 bp
<b>RefSeq ORF:</b>	1569 bp
<b>Locus ID:</b>	81839
<b>UniProt ID:</b>	<u>Q8TAA9</u>
<b>Cytogenetics:</b>	1p13.1
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Wnt signaling pathway
<b>Gene Summary:</b>	<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 (3) uses an alternate in-frame splice site in the coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>