

## Product datasheet for **SC304739**

### **VANGL2 (NM\_020335) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	VANGL2 (NM_020335) Human Untagged Clone
Tag:	Tag Free
Symbol:	VANGL2
Synonyms:	LPP1; LTAP; STB1; STBM; STBM1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_020335 edited  
 ATGGACACCGAGTCCCAGTACTCGGGCTATTCTACAAGTCGGGCCACTCCCGCAGCTCC  
 CGCAAGCACAGGGACCGCCGGGACCGACACCGCTAAGAGTCGAGATGGGGGCCGAGGG  
 GACAAGTCGGTGACAATCCAGGCTCCCGGGGAGCCCTGCTGGACAATGAGTCCACACGA  
 GGGGATGAGCGGGATGACAACTGGGGGAAACGACGACAGTAGTAACGGGCACCTCAGAG  
 CACAGCATCTCCCATGATGACCTCACACGCATCGCCAAGGACATGGAGGACAGTGTCCCT  
 CTGGAGCTCCCGTCACCTGGGTGTGGCAGCGGGGCCACCCTGGCACTGCTGTCTTTT  
 CTCACGCCTCTGGCCTTCTGCTGCTGCCCCACTGCTGTGGCGGAGGAGCTGGAGCCT  
 TGGCGGACGGCCTGCGAGGGCCTTTCATCTCTGTGCGCTTCAAGCTGCTCATCCTGCTA  
 CTGGGCAGCTGGGCTCTGTTCTTCCGCCGCCAAGGCCTCGCTGCCCGCGTCTTTGTG  
 CTGCGTGCCCTGCTTATGGTGTGGTTTTCTGCTCGTGGTCTCCTACTGGCTCTTCTAT  
 GGTGTGCGCATCCTGGATGCTCGGGAGCGCAGCTACCAGGGCGTGGTGCAGTTCGCCGTG  
 TCGCTGGTGGACGCCCTTCTTTTCGTGCACTACCTGGCCGTGGTCTGCTGGAGCTGCGC  
 CAGCTCCAGCCTCAGTTCAGCTCAAGGTCGTGCGCTCCACCGACGGCGCCAGCCGCTTC  
 TACAACGTTGGCCATCTCAGCATCCAGCGCGTGGCAGTGTGGATCCTGGAGAAGTATTAC  
 CATGACTTCCCTGTCTACAACCCTGCCCTCCTCAACCTGCCCAAGTCCGTCTGGCCAAG  
 AAAGTGTCTGGCTTCAAGGTGATTCCCTCGGAGAGGAAAACAGCACCAACAACCTCCACT  
 GGCCAGTCTCGGGCTGTGATTGCAGCGGCAGCTCGGAGGCGGGACAACAGTCAACAATGAG  
 TACTACTATGAGGAGGCTGAGCATGAGCGAAGGGTGCAGCAAGAGGAGGGCCAGGCTTGT  
 GTGGCGGTGGAGGAGGCCTTCACTCACATTAAGCGGCTGCAGGAAGAGGAGCAGAAAAAC  
 CCCAGGGAGGTGATGGACCCCGGGAGGCGCCCAAGCCATCTTTGCATCCATGGCCCGT  
 GCCATGCAGAAGTACCTTCGGACCACCAAGCAGCAGCCCTACCACACCATGGAGAGCATC  
 CTGCAGCACCTTGAATTCGCATCAGCATGACATGACGCCCAAGGCCTTCTTGGAGCGA  
 TACTTGGCGGCTGGACCTACCATCCAGTACCACAAGGAACGCTGGCTGGCCAAACAGTGG  
 ACATTGGTGAAGGAGGAGCCGGTGACCAACGGCCTCAAGGATGGCATCGTTTTCTCTTA  
 AAACGCCAGGACTTCAGCCTGGTGGTGCAGCACCAAGAAGTCCCATTCTTCAAACCTCC  
 GAGGAATTTGGATCCCAAGTCACACAAGTTTGTATGAGGCTGCAGTCTGAGACCTCA  
 GTGTGA

**Restriction Sites:** NotI-NotI

**ACCN:** NM\_020335

**Insert Size:** 5400 bp

**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:** The open reading frame of this clone has been fully sequenced and found to be a perfect match to the protein associated with this reference, NM\_020335.1

**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\\_020335.1](#), [NP\\_065068.1](#)

**RefSeq Size:** 5415 bp

**RefSeq ORF:** 1566 bp

**Locus ID:** 57216

**UniProt ID:** [Q9ULK5](#)

**Cytogenetics:** 1q23.2

**Protein Families:** Transmembrane

**Protein Pathways:** Wnt signaling pathway

**Gene Summary:** The protein encoded by this gene is a membrane protein involved in the regulation of planar cell polarity, especially in the stereociliary bundles of the cochlea. The encoded protein transmits directional signals to individual cells or groups of cells in epithelial sheets. This protein is also involved in the development of the neural plate. [provided by RefSeq, Sep 2011]