

Product datasheet for RC212173L3

VANGL2 (NM_020335) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VANGL2 (NM_020335) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	VANGL2
Synonyms:	LPP1; LTAP; STB1; STBM; STBM1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212173).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF.

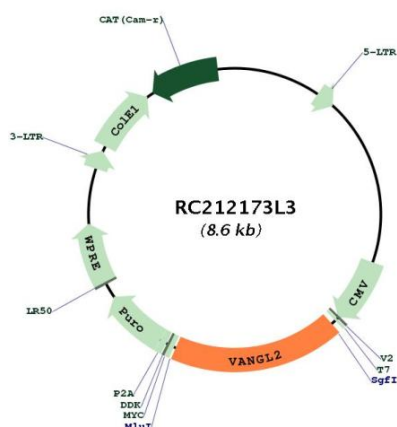
ACCN:	NM_020335
ORF Size:	1563 bp



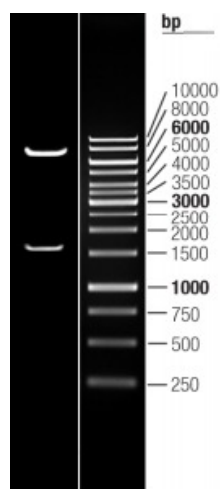
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OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), 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:	<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_020335.1
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
MW:	59.5 kDa
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]

Product images:



Circular map for RC212173L3



Double digestion of RC212173L3 using SgfI and MluI