Product datasheet for MR208343L3V

Vangl2 (NM_033509) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Vangl2 (NM_033509) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Vangl2
Synonyms:	C530001F03Rik; loop-tail; Lootl; Lp; Lpp1; Ltap; ska17; ska; stbm; strabismus; Vang1l2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_033509
ORF Size:	1566 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR208343).
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.
RefSeq:	NM_033509.3
RefSeq Size:	2260 bp
RefSeq ORF:	1566 bp
Locus ID:	93840
UniProt ID:	Q91ZD4
Cytogenetics:	1 79.54 cM

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Gene Summary: Involved in the control of early morphogenesis and patterning of both axial midline structures and the development of neural plate. Plays a role in the regulation of planar cell polarity, particularly in the orientation of stereociliary bundles in the cochlea. Required for polarization and movement of myocardializing cells in the outflow tract and seems to act via RHOA signaling to regulate this process. Required for cell surface localization of FZD3 and FZD6 in the inner ear (PubMed:16495441).[UniProtKB/Swiss-Prot Function]