

Product datasheet for **MR222833L4V**

Wnt9b (NM_011719) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Wnt9b (NM_011719) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Wnt9b
Synonyms:	clf; clf1; wnt-14b; wnt-15; Wnt14b; Wnt15
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_011719
ORF Size:	1080 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222833).
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_011719.4 , NP_035849.3
RefSeq Size:	4519 bp
RefSeq ORF:	1080 bp
Locus ID:	22412
UniProt ID:	O35468
Cytogenetics:	11 67.47 cM



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Gene Summary:

Ligand for members of the frizzled family of seven transmembrane receptors (Probable). Functions in the canonical Wnt/beta-catenin signaling pathway (PubMed:22461561, PubMed:16054034, PubMed:17537789). Required for normal embryonic kidney development, and for normal development of the urogenital tract, including uterus and part of the oviduct and the upper vagina in females, and epididymis and vas deferens in males (PubMed:16054034). Activates a signaling cascade in the metanephric mesenchyme that induces tubulogenesis (PubMed:16054034, PubMed:17537789). Acts upstream of WNT4 in the signaling pathways that mediate development of kidney tubules and the Mullerian ducts (PubMed:16054034). Plays a role in cranofacial development and is required for normal fusion of the palate during embryonic development (PubMed:16054034, PubMed:22461561, PubMed:25257647).[UniProtKB/Swiss-Prot Function]