Product datasheet for MR205513L4V

Wnt2 (NM_023653) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Wnt2 (NM_023653) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Wnt2
Synonyms:	2610510E18Rik; Int1l1; Irp; Mirp; Wnt-2; Wnt2a
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_023653
ORF Size:	1083 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR205513).
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_023653.3, NP_076142.2
RefSeq Size:	2115 bp
RefSeq ORF:	1083 bp
Locus ID:	22413
UniProt ID:	P21552
Cytogenetics:	6 8.08 cM

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Gene Summary: Ligand for members of the frizzled family of seven transmembrane receptors. Functions in the canonical Wnt/beta-catenin signaling pathway (PubMed:19686689). Functions as upstream regulator of FGF10 expression (PubMed:19686689). Plays an important role in embryonic lung development (PubMed:19686689). May contribute to embryonic brain development by regulating the proliferation of dopaminergic precursors and neurons (PubMed:20018874).[UniProtKB/Swiss-Prot Function]