

Product datasheet for **MR212053L4V**

Lrp6 (NM_008514) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Lrp6 (NM_008514) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Lrp6
Synonyms:	C030016K15Rik; Cd; Gw; ska26; ska; skax26
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008514
ORF Size:	4839 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR212053).
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_008514.4 , NP_032540.2
RefSeq Size:	9368 bp
RefSeq ORF:	4842 bp
Locus ID:	16974
UniProt ID:	O88572
Cytogenetics:	6 65.37 cM



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Gene Summary:

Component of the Wnt-Fzd-LRP5-LRP6 complex that triggers beta-catenin signaling through inducing aggregation of receptor-ligand complexes into ribosome-sized signalsomes. Cell-surface coreceptor of Wnt/beta-catenin signaling, which plays a pivotal role in bone formation. The Wnt-induced Fzd/LRP6 coreceptor complex recruits DVL1 polymers to the plasma membrane which, in turn, recruits the AXIN1/GSK3B-complex to the cell surface promoting the formation of signalsomes and inhibiting AXIN1/GSK3-mediated phosphorylation and destruction of beta-catenin. Required for posterior patterning of the epiblast during gastrulation (By similarity).[UniProtKB/Swiss-Prot Function]