

Product datasheet for **MR224646L4V**

Lgr6 (NM_001033409) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Lgr6 (NM_001033409) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Lgr6
Synonyms:	A530037C04Rik; D830026M09
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001033409
ORF Size:	2904 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR224646).
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_001033409.3 , NP_001028581.1
RefSeq Size:	3623 bp
RefSeq ORF:	2904 bp
Locus ID:	329252
UniProt ID:	Q3UVD5
Cytogenetics:	1 E4



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Gene Summary:

Receptor for R-spondins that potentiates the canonical Wnt signaling pathway and acts as a marker of multipotent stem cells in the epidermis. Upon binding to R-spondins (RSPO1, RSPO2, RSPO3 or RSPO4), associates with phosphorylated LRP6 and frizzled receptors that are activated by extracellular Wnt receptors, triggering the canonical Wnt signaling pathway to increase expression of target genes. In contrast to classical G-protein coupled receptors, does not activate heterotrimeric G-proteins to transduce the signal (By similarity).
[UniProtKB/Swiss-Prot Function]