

Product datasheet for **RR210706L4V**

Mgrn1 (NM_001013964) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Mgrn1 (NM_001013964) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Mgrn1
Synonyms:	RGD1311862
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001013964
ORF Size:	1599 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR210706).
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_001013964.1 , NP_001013986.1
RefSeq Size:	2287 bp
RefSeq ORF:	1602 bp
Locus ID:	302938
UniProt ID:	Q5XIQ4
Cytogenetics:	10q12



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Gene Summary:

E3 ubiquitin-protein ligase. Mediates TSG101 monoubiquitination at multiple sites. Plays a role in the regulation of endosome-to-lysosome trafficking. Impairs MC1R- and MC4R-signaling by competing with GNAS-binding to MCRs and inhibiting agonist-induced cAMP production. Does not inhibit ADRB2-signaling. Does not promote MC1R ubiquitination. Acts also as a negative regulator of hedgehog signaling (By similarity).[UniProtKB/Swiss-Prot Function]