

## Product datasheet for **MR219776L4V**

### Rgs20 (NM\_021374) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Rgs20 (NM_021374) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Rgs20
Synonyms:	2900073E09Rik; Rgsz1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_021374
ORF Size:	717 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR219776).
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. <a href="#">More info</a>
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:	<a href="#">NM_021374.4</a> , <a href="#">NP_067349.2</a>
RefSeq Size:	1665 bp
RefSeq ORF:	720 bp
Locus ID:	58175
UniProt ID:	<a href="#">Q9QZB1</a>
Cytogenetics:	1 A1



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**Gene Summary:**

Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Binds selectively to G(z)-alpha and G(alpha)-i2 subunits, accelerates their GTPase activity and regulates their signaling activities. The G(z)-alpha activity is inhibited by the phosphorylation and palmitoylation of the G-protein. Negatively regulates mu-opioid receptor-mediated activation of the G-proteins. [UniProtKB/Swiss-Prot Function]