

## Product datasheet for **MR209806L4V**

### Vps53 (BC034371) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Vps53 (BC034371) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Vps53
Synonyms:	RP23-147P4.2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	BC034371
ORF Size:	1965 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209806).
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="#">BC034371</a> , <a href="#">AAH34371</a>
RefSeq Size:	2225 bp
RefSeq ORF:	1967 bp
Locus ID:	68299
Cytogenetics:	11 B5


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**Gene Summary:**

Acts as component of the GARP complex that is involved in retrograde transport from early and late endosomes to the trans-Golgi network (TGN). The GARP complex is required for the maintenance of the cycling of mannose 6-phosphate receptors between the TGN and endosomes, this cycling is necessary for proper lysosomal sorting of acid hydrolases such as CTSD. Acts as component of the EARP complex that is involved in endocytic recycling. The EARP complex associates with Rab4-positive endosomes and promotes recycling of internalized transferrin receptor (TFRC) to the plasma membrane.[UniProtKB/Swiss-Prot Function]