

## Product datasheet for **MR217195L4V**

### Arhgap15 (NM\_153820) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Arhgap15 (NM_153820) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Arhgap15
Synonyms:	5830480G12Rik
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_153820
ORF Size:	1443 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR217195).
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_153820.3</a> , <a href="#">NP_722542.2</a>
RefSeq Size:	2663 bp
RefSeq ORF:	1446 bp
Locus ID:	76117
UniProt ID:	<a href="#">Q811M1</a>
Cytogenetics:	2 B



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**Gene Summary:**

The protein encoded by this gene is a RAC GTPase-activating protein that is regulated through its PH domain and by recruitment to the membrane. The protein accelerates hydrolysis of guanosine triphosphate to guanosine diphosphate to repress Rac activity. Knock-out of Arhgap15 function demonstrates that this gene is required to regulate multiple functions in macrophages and neutrophils. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2014]