

## Product datasheet for **MR221621L4V**

### Arfrp1 (NM\_001165991) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Arfrp1 (NM_001165991) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Arfrp1
Synonyms:	1500006I01Rik; A1480700
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001165991
ORF Size:	603 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR221621).
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_001165991.1</a> , <a href="#">NP_001159463.1</a>
RefSeq Size:	2596 bp
RefSeq ORF:	606 bp
Locus ID:	76688
UniProt ID:	<a href="#">Q8BXL7</a>
Cytogenetics:	2 H4



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**Gene Summary:**

The gene encodes a membrane-associated GTPase that is related to the ADP-ribosylation factor (ARF) and ARF-like (ARL) genes. It plays an essential role in Golgi function controlling recruitment of GRIP domain proteins and ARL1 to the trans-Golgi and trans-Golgi to plasma membrane trafficking of cell surface proteins such as E-cadherin. Deletion of this gene in mice leads to embryonic lethality during early gastrulation, which is at least partly caused by the disruption of E-cadherin trafficking to the cell surface and therefore lack of sufficient cell-cell adhesion in the embryo. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009]