

Product datasheet for **MR201520L4V**

Arf6 (NM_007481) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Arf6 (NM_007481) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Arf6
Synonyms:	AI788669; AW496366
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007481
ORF Size:	528 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR201520).
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_007481.2 , NP_031507.1
RefSeq Size:	3740 bp
RefSeq ORF:	528 bp
Locus ID:	11845
UniProt ID:	P62331
Cytogenetics:	12 C2



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Gene Summary:

GTP-binding protein involved in protein trafficking that regulates endocytic recycling and cytoskeleton remodeling (PubMed:11950392). Required for normal completion of mitotic cytokinesis. Involved in the regulation of dendritic spine development, contributing to the regulation of dendritic branching and filopodia extension. Plays an important role in membrane trafficking, during junctional remodeling and epithelial polarization. Regulates surface levels of adherens junction proteins such as CDH1 (PubMed:29420262, PubMed:20080746). Required for NTRK1 sorting to the recycling pathway from early endosomes (By similarity).[UniProtKB/Swiss-Prot Function]