

Product datasheet for **MR201738L4V**

Arl6 (NM_019665) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Arl6 (NM_019665) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Arl6
Synonyms:	1110018H24Rik; 2210411E14Rik; BBS3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_019665
ORF Size:	561 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR201738).
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_019665.2 , NP_062639.2
RefSeq Size:	1512 bp
RefSeq ORF:	561 bp
Locus ID:	56297
UniProt ID:	O88848
Cytogenetics:	16 C1.3



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Gene Summary:

Involved in membrane protein trafficking at the base of the ciliary organelle (By similarity). Mediates recruitment onto plasma membrane of the BBSome complex which would constitute a coat complex required for sorting of specific membrane proteins to the primary cilia (By similarity). Together with BBS1, is necessary for correct trafficking of PKD1 to primary cilia (PubMed:24939912). Together with the BBSome complex and LTZL1, controls SMO ciliary trafficking and contributes to the sonic hedgehog (SHH) pathway regulation (By similarity). May regulate cilia assembly and disassembly and subsequent ciliary signaling events such as the Wnt signaling cascade (By similarity). Isoform 2 may be required for proper retinal function and organization (PubMed:20333246).[UniProtKB/Swiss-Prot Function]