

Product datasheet for MR201035L4V

OriGene Technologies, Inc.
 9620 Medical Center Drive, Ste 200
 Rockville, MD 20850, US
 Phone: +1-888-267-4436
<https://www.origene.com>
techsupport@origene.com
 EU: info-de@origene.com
 CN: techsupport@origene.cn

Mtvr2 (BC013894) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Mtvr2 (BC013894) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Mtvr2
Synonyms:	1110021A21Rik; MMTV; Mtvr2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	BC013894
ORF Size:	447 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as (MR201035).
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:	BC013894.1
RefSeq Size:	1218 bp
RefSeq ORF:	449 bp
Locus ID:	17826
Cytogenetics:	19 4.34 cM



Gene Summary:

Negatively regulates TGF-beta-induced signaling; in cooperation with SKI prevents the translocation of SMAD2 from the nucleus to the cytoplasm in response to TGF-beta (PubMed:12646588). Acts as an adapter that mediates the specific recognition of LIMK1 by CDC42BPA and CDC42BPB in the lamellipodia. LRAP25-mediated CDC42BPA/CDC42BPB targeting to LIMK1 and the lamellipodium results in LIMK1 activation and the subsequent phosphorylation of CFL1 which is important for lamellipodial F-actin regulation (PubMed:25107909).[UniProtKB/Swiss-Prot Function]