

## Product datasheet for **MR211429L4V**

### 1110037F02Rik (BC033309) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	1110037F02Rik (BC033309) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	1110037F02Rik
Synonyms:	4930422M05Rik; Kiaa1429; mKIAA1429
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	BC033309
ORF Size:	3009 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211429).
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="#">BC033309</a> , <a href="#">AAH33309</a>
RefSeq Size:	3139 bp
RefSeq ORF:	3011 bp
Locus ID:	66185
Cytogenetics:	4 A1



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**Gene Summary:**

Associated component of the WMM complex, a complex that mediates N6-methyladenosine (m6A) methylation of RNAs, a modification that plays a role in the efficiency of mRNA splicing and RNA processing. Acts as a key regulator of m6A methylation by promoting m6A methylation of mRNAs in the 3' UTR near the stop codon: recruits the catalytic core components METTL3 and METTL14, thereby guiding m6A methylation at specific sites. Required for mRNA polyadenylation via its role in selective m6A methylation: m6A methylation of mRNAs in the 3' UTR near the stop codon correlating with alternative polyadenylation (APA).[UniProtKB/Swiss-Prot Function]