

## Product datasheet for **RC205054L4V**

### **C2ORF47 (MAIP1) (NM\_024520) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	C2ORF47 (MAIP1) (NM_024520) Human Tagged ORF Clone Lentiviral Particle
Symbol:	C2ORF47
Synonyms:	C2orf47
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_024520
ORF Size:	873 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205054).
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_024520.1</a>
RefSeq Size:	1525 bp
RefSeq ORF:	876 bp
Locus ID:	79568
UniProt ID:	<a href="#">Q8WWC4</a>
Cytogenetics:	2q33.1
MW:	32.5 kDa



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**Gene Summary:**

Promotes sorting of SMDT1/EMRE in mitochondria by ensuring its maturation (PubMed:27642048). Interacts with the transit peptide region of SMDT1/EMRE precursor protein in the mitochondrial matrix, leading to protect it against protein degradation by YME1L1, thereby ensuring SMDT1/EMRE maturation by the mitochondrial processing peptidase (PMPCA and PMPCB) (PubMed:27642048).[UniProtKB/Swiss-Prot Function]