

## Product datasheet for **RC204322L2V**

### **MALT1 (NM\_173844) Human Tagged ORF Clone Lentiviral Particle**

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	MALT1 (NM_173844) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MALT1
Synonyms:	IMD12; MLT; MLT1; PCASP1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_173844
ORF Size:	2439 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204322).
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_173844.1</a>
RefSeq Size:	4996 bp
RefSeq ORF:	2442 bp
Locus ID:	10892
UniProt ID:	<a href="#">Q9UDY8</a>
Cytogenetics:	18q21.32
Protein Families:	Druggable Genome, Protease
Protein Pathways:	B cell receptor signaling pathway, T cell receptor signaling pathway


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**MW:** 90.9 kDa

**Gene Summary:** This gene encodes a caspase-like protease that plays a role in BCL10-induced activation of NF-kappaB. The protein is a component of the CARMA1-BCL10-MALT1 (CBM) signalosome that triggers NF-kappaB signaling and lymphocyte activation following antigen-receptor stimulation. Mutations in this gene result in immunodeficiency 12 (IMD12). This gene has been found to be recurrently rearranged in chromosomal translocations with other genes in mucosa-associated lymphoid tissue lymphomas, including a t(11;18)(q21;q21) translocation with the baculoviral IAP repeat-containing protein 3 (also known as apoptosis inhibitor 2) locus [BIRC3(API2)-MALT1], and a t(14;18)(q32;q21) translocation with the immunoglobulin heavy chain locus (IGH-MALT1). Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, May 2018]