

## Product datasheet for **MR202501L4V**

### **Cd79a (BC027633) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Cd79a (BC027633) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cd79a
Synonyms:	mb-1, Ig-alpha
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	BC027633
ORF Size:	660 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR202501).
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="#">BC027633.1</a>
RefSeq Size:	1008 bp
RefSeq ORF:	662 bp
Locus ID:	12518
Cytogenetics:	7 13.49 cM



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**Gene Summary:**

Required in cooperation with CD79B for initiation of the signal transduction cascade activated by binding of antigen to the B-cell antigen receptor complex (BCR) which leads to internalization of the complex, trafficking to late endosomes and antigen presentation. Also required for BCR surface expression and for efficient differentiation of pro- and pre-B-cells. Stimulates SYK autophosphorylation and activation. Binds to BLNK, bringing BLNK into proximity with SYK and allowing SYK to phosphorylate BLNK. Also interacts with and increases activity of some Src-family tyrosine kinases. Represses BCR signaling during development of immature B-cells.[UniProtKB/Swiss-Prot Function]