

## Product datasheet for **RC201358L2V**

### Calbindin (CALB1) (NM\_004929) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

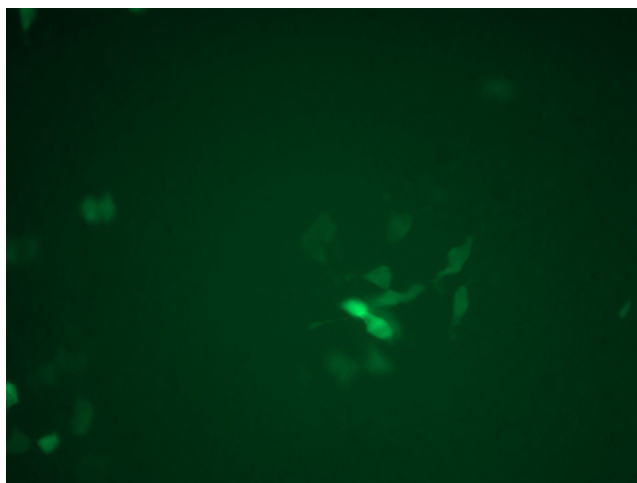
Product Type:	Lentiviral Particles
Product Name:	Calbindin (CALB1) (NM_004929) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Calbindin
Synonyms:	CALB; D-28K
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_004929
ORF Size:	783 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201358).
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_004929.2</a>
RefSeq Size:	2531 bp
RefSeq ORF:	786 bp
Locus ID:	793
UniProt ID:	<a href="#">P05937</a>
Cytogenetics:	8q21.3
Domains:	EFh
MW:	30 kDa



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**Gene Summary:**

The protein encoded by this gene is a member of the calcium-binding protein superfamily that includes calmodulin and troponin C. Originally described as a 27 kDa protein, it is now known to be a 28 kDa protein. It contains four active calcium-binding domains, and has two modified domains that are thought to have lost their calcium binding capability. This protein is thought to buffer entry of calcium upon stimulation of glutamate receptors. Depletion of this protein was noted in patients with Huntington disease. [provided by RefSeq, Jan 2015]

**Product images:**

[RC201358L2] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC201358L2V particle to overexpress human CALB1-mGFP fusion protein.