

Product datasheet for **RC219131L4V**

CD1B (NM_001764) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CD1B (NM_001764) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CD1B
Synonyms:	CD1; CD1A; R1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001764
ORF Size:	999 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219131).
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. More info
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:	NM_001764.1
RefSeq Size:	1396 bp
RefSeq ORF:	1002 bp
Locus ID:	910
UniProt ID:	P29016
Cytogenetics:	1q23.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Hematopoietic cell lineage



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MW: 36.9 kDa

Gene Summary: This gene encodes a member of the CD1 family of transmembrane glycoproteins, which are structurally related to the major histocompatibility complex (MHC) proteins and form heterodimers with beta-2-microglobulin. The CD1 proteins mediate the presentation of primarily lipid and glycolipid antigens of self or microbial origin to T cells. The human genome contains five CD1 family genes organized in a cluster on chromosome 1. The CD1 family members are thought to differ in their cellular localization and specificity for particular lipid ligands. The protein encoded by this gene localizes to late endosomes and lysosomes via a tyrosine-based motif in the cytoplasmic tail, and requires vesicular acidification to bind lipid antigens. [provided by RefSeq, Jul 2008]