

## Product datasheet for **RC217334L4V**

### BRD1 (NM\_014577) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	BRD1 (NM_014577) Human Tagged ORF Clone Lentiviral Particle
Symbol:	BRD1
Synonyms:	BRL; BRPF1; BRPF2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_014577
ORF Size:	3174 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217334).
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_014577.1</a> , <a href="#">NP_055392.1</a>
RefSeq Size:	4617 bp
RefSeq ORF:	3177 bp
Locus ID:	23774
Cytogenetics:	22q13.33
Domains:	PWWP, BROMO, PHD
Protein Families:	Druggable Genome, Transcription Factors
MW:	119.3 kDa



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**Gene Summary:**

This gene encodes a bromodomain-containing protein that localizes to the nucleus and can interact with DNA and histone tails. The encoded protein is a component of the MOZ/MORF acetyltransferase complex and can stimulate acetylation of histones H3 and H4, thereby potentially playing a role in gene activation. Variation in this gene is associated with schizophrenia and bipolar disorder in some study populations. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2017]