

## Product datasheet for **RC218422L4V**

### **RNF20 (NM\_019592) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	RNF20 (NM_019592) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RNF20
Synonyms:	BRE1; BRE1A; hBRE1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_019592
ORF Size:	2925 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218422).
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_019592.5</a>
RefSeq Size:	3972 bp
RefSeq ORF:	2928 bp
Locus ID:	56254
UniProt ID:	<a href="#">Q5VTR2</a>
Cytogenetics:	9q31.1
Domains:	RING
Protein Families:	Druggable Genome



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**MW:** 113.7 kDa

**Gene Summary:** The protein encoded by this gene shares similarity with BRE1 of *S. cerevisiae*. The protein encoded by this human gene is an E3 ubiquitin ligase that regulates chromosome structure by monoubiquitinating histone H2B. This protein acts as a putative tumor suppressor and positively regulates the p53 tumor suppressor as well as numerous histone H2A and H2B genes. In contrast, this protein also suppresses the expression of several protooncogenes and growth-related genes, including many genes that are induced by epidermal growth factor. This gene selectively suppresses the expression of some genes by interfering with chromatin recruitment of transcription elongation factor SII (TFIIS). [provided by RefSeq, Feb 2012]