

Product datasheet for **RC216042L2V**

BORIS (CTCFL) (NM_080618) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	BORIS (CTCFL) (NM_080618) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CTCFL
Synonyms:	BORIS; CT27; CTCF-T; dj579F20.2; HMGB1L1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_080618
ORF Size:	1989 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216042).
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_080618.2
RefSeq Size:	3493 bp
RefSeq ORF:	1992 bp
Locus ID:	140690
UniProt ID:	Q8NI51
Cytogenetics:	20q13.31
Protein Families:	Transcription Factors
MW:	75.6 kDa



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Gene Summary:

CCCTC-binding factor (CTCF), an 11-zinc-finger factor involved in gene regulation, utilizes different zinc fingers to bind varying DNA target sites. CTCF forms methylation-sensitive insulators that regulate X-chromosome inactivation. This gene is a paralog of CTCF and appears to be expressed primarily in the cytoplasm of spermatocytes, unlike CTCF which is expressed primarily in the nucleus of somatic cells. CTCF and the protein encoded by this gene are normally expressed in a mutually exclusive pattern that correlates with resetting of methylation marks during male germ cell differentiation. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2012]