

## Product datasheet for **MR221669L4V**

### Dclre1c (NM\_175683) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Dclre1c (NM_175683) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Dclre1c
Synonyms:	9930121L06Rik; A; AI661365; Art; Snm11
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_175683
ORF Size:	1809 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR221669).
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_175683.4</a> , <a href="#">NP_783614.1</a>
RefSeq Size:	4082 bp
RefSeq ORF:	1812 bp
Locus ID:	227525
UniProt ID:	<a href="#">Q8K4J0</a>
Cytogenetics:	2 A1



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**Gene Summary:**

This gene encodes a member of the SNM1 family of nucleases and is involved in V(D)J recombination and DNA repair. This protein has single-strand-specific 5'-3' exonuclease activity; it also exhibits endonuclease activity on 5' and 3' overhangs and hairpins. The protein also functions in the regulation of the cell cycle in response to DNA damage. Homozygous knockout mice for this gene exhibit severe combined immunodeficiency with sensitivity to ionizing radiation. Mutations in this gene in humans can cause Athabaskan-type severe combined immunodeficiency (SCIDA) and Omenn syndrome. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Nov 2014]