

## Product datasheet for **RC208418L1V**

### STING (TMEM173) (NM\_198282) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

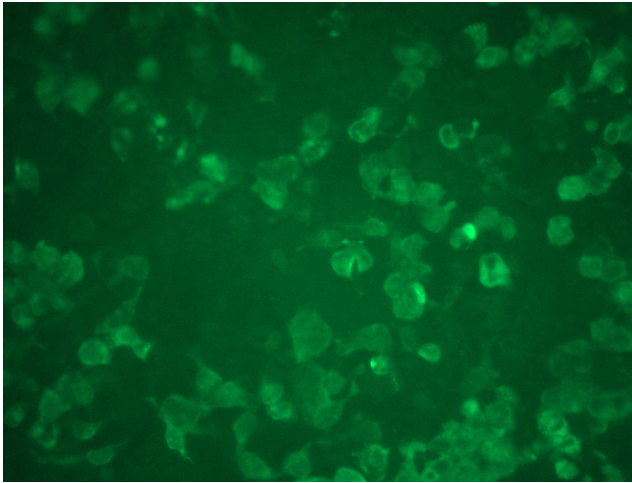
Product Type:	Lentiviral Particles
Product Name:	STING (TMEM173) (NM_198282) Human Tagged ORF Clone Lentiviral Particle
Symbol:	STING
Synonyms:	ERIS; hMITA; hSTING; MITA; MPYS; NET23; SAVI; STING; STING-beta; TMEM173
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_198282
ORF Size:	1137 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208418).
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_198282.1</a>
RefSeq Size:	2223 bp
RefSeq ORF:	1140 bp
Locus ID:	340061
UniProt ID:	<a href="#">Q86WV6</a>
Cytogenetics:	5q31.2
Protein Pathways:	Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway
MW:	42.2 kDa



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**Gene Summary:**

This gene encodes a five transmembrane protein that functions as a major regulator of the innate immune response to viral and bacterial infections. The encoded protein is a pattern recognition receptor that detects cytosolic nucleic acids and transmits signals that activate type I interferon responses. The encoded protein has also been shown to play a role in apoptotic signaling by associating with type II major histocompatibility complex. Mutations in this gene are the cause of infantile-onset STING-associated vasculopathy. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2014]

**Product images:**

[RC208418L1] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC208418L1V particle to overexpress human STING1-Myc-DDK fusion protein.