

Product datasheet for **RC211659L2V**

CTAG2 (NM_172377) Human Tagged ORF Clone Lentiviral Particle

Product data:

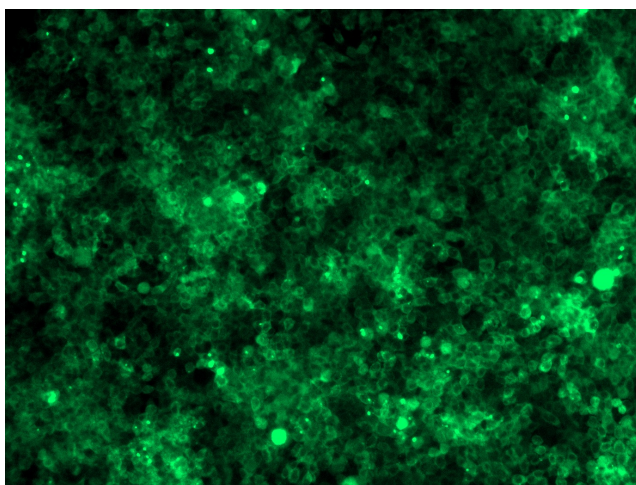
Product Type:	Lentiviral Particles
Product Name:	CTAG2 (NM_172377) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CTAG2
Synonyms:	CAMEL; CT2; CT6.2; CT6.2a; CT6.2b; ESO2; LAGE-1; LAGE2B
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_172377
ORF Size:	540 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211659).
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_172377.2
RefSeq Size:	773 bp
RefSeq ORF:	543 bp
Locus ID:	30848
UniProt ID:	O75638
Cytogenetics:	Xq28
MW:	18.3 kDa



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Gene Summary:

This gene encodes an autoimmunogenic tumor antigen that belongs to the ESO/LAGE family of cancer-testis antigens. This protein is expressed in a wide array of cancers including melanoma, breast cancer, bladder cancer and prostate cancer. This protein is also expressed in normal testis tissue. An alternative open reading frame product of this gene has been described in PMID:10399963. This alternate protein, termed CAMEL, is a tumor antigen that is recognized by melanoma-specific cytotoxic T-lymphocytes. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]

Product images:

[RC211659L2] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC211659L2V particle to overexpress human CTAG2-mGFP fusion protein.