

## Product datasheet for **RC210965L4V**

### ERAS (NM\_181532) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

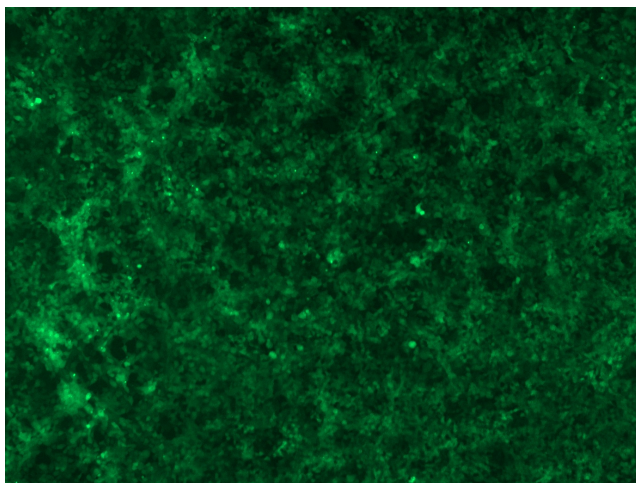
Product Type:	Lentiviral Particles
Product Name:	ERAS (NM_181532) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ERAS
Synonyms:	HRAS2; HRASP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_181532
ORF Size:	699 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210965).
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_181532.2</a>
RefSeq Size:	826 bp
RefSeq ORF:	702 bp
Locus ID:	3266
UniProt ID:	<a href="#">Q7Z444</a>
Cytogenetics:	Xp11.23
Protein Families:	Druggable Genome
MW:	25.3 kDa



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**Gene Summary:**

This gene encodes a constitutively active member of the small GTPase Ras protein family. The encoded protein activates the phosphatidylinositol 3-kinase signal transduction pathway in undifferentiated stem cells, but is not expressed in differentiated cells. This gene may be involved in cancer and chemotherapy resistance. [provided by RefSeq, Dec 2012]

**Product images:**

[RC210965L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC210965L4V particle to overexpress human ERAS-mGFP fusion protein.