

## Product datasheet for **RC205354L4V**

### GLE1 (NM\_001003722) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	GLE1 (NM_001003722) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GLE1
Synonyms:	CAAHC; CAAHD; GLE1L; hGLE1; LCCS; LCCS1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001003722
ORF Size:	2094 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205354).
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_001003722.1</a> , <a href="#">NP_001003722.1</a>
RefSeq Size:	3350 bp
RefSeq ORF:	2097 bp
Locus ID:	2733
UniProt ID:	<a href="#">Q53GS7</a>
Cytogenetics:	9q34.11
MW:	79.9 kDa



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**Gene Summary:**

This gene encodes a predicted 75-kDa polypeptide with high sequence and structure homology to yeast Gle1p, which is nuclear protein with a leucine-rich nuclear export sequence essential for poly(A)+RNA export. Inhibition of human GLE1L by microinjection of antibodies against GLE1L in HeLa cells resulted in inhibition of poly(A)+RNA export. Immunofluorescence studies show that GLE1L is localized at the nuclear pore complexes. This localization suggests that GLE1L may act at a terminal step in the export of mature RNA messages to the cytoplasm. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]