

## Product datasheet for **RC214948L4V**

### ERC1 (NM\_178039) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	ERC1 (NM_178039) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ERC1
Synonyms:	Cast2; ELKS; ERC-1; RAB6IP2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_178039
ORF Size:	3264 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC214948).
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_178039.2</a>
RefSeq Size:	6809 bp
RefSeq ORF:	3267 bp
Locus ID:	23085
UniProt ID:	<a href="#">Q8IUD2</a>
Cytogenetics:	12p13.33
Protein Families:	Druggable Genome
MW:	124.7 kDa



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**Gene Summary:**

The protein encoded by this gene is a member of a family of RIM-binding proteins. RIMs are active zone proteins that regulate neurotransmitter release. This gene has been found fused to the receptor-type tyrosine kinase gene RET by gene rearrangement due to the translocation t(10;12)(q11;p13) in thyroid papillary carcinoma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]