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Product datasheet for RC211319L4V

ECT2 (NM_018098) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ECT2 (NM_018098) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ECT2
Synonyms:	ARHGEF31
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_018098
ORF Size:	2649 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211319).
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_018098.4
RefSeq Size:	3916 bp
RefSeq ORF:	2652 bp
Locus ID:	1894
UniProt ID:	Q9H8V3
Cytogenetics:	3q26.31
Domains:	RhoGEF, BRCT
Protein Families:	Druggable Genome

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MW: 99.9 kDa

Gene Summary: The protein encoded by this gene is a guanine nucleotide exchange factor and transforming protein that is related to Rho-specific exchange factors and yeast cell cycle regulators. The expression of this gene is elevated with the onset of DNA synthesis and remains elevated during G2 and M phases. In situ hybridization analysis showed that expression is at a high level in cells undergoing mitosis in regenerating liver. Thus, this protein is expressed in a cell cycle-dependent manner during liver regeneration, and is thought to have an important role in the regulation of cytokinesis. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2017]

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