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Product datasheet for RC219311L2V

VPS29 (NM_016226) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	VPS29 (NM_016226) Human Tagged ORF Clone Lentiviral Particle
Symbol:	VPS29
Synonyms:	DC7; DC15; PEP11
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_016226
ORF Size:	546 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC219311).`
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_016226.2
RefSeq Size:	1095 bp
RefSeq ORF:	549 bp
Locus ID:	51699
UniProt ID:	Q9UBQ0
Cytogenetics:	12q24.11
Domains:	Metallophos
MW:	20.3 kDa

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Gene Summary: This gene belongs to a group of vacuolar protein sorting (VPS) genes that, when functionally impaired, disrupt the efficient delivery of vacuolar hydrolases. The protein encoded by this gene is a component of a large multimeric complex, termed the retromer complex, which is involved in retrograde transport of proteins from endosomes to the trans-Golgi network. This VPS protein may be involved in the formation of the inner shell of the retromer coat for retrograde vesicles leaving the prevacuolar compartment. Alternative splice variants encoding different isoforms and representing non-protein coding transcripts have been found for this gene. [provided by RefSeq, Aug 2013]