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Product datasheet for RC211629L1V

APC (NM_000038) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	APC (NM_000038) Human Tagged ORF Clone Lentiviral Particle
Symbol:	APC
Synonyms:	BTPS2; DESMD; DP2; DP2.5; DP3; GS; PPP1R46
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_000038
ORF Size:	8529 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211629).
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_000038.3
RefSeq Size:	10719 bp
RefSeq ORF:	8532 bp
Locus ID:	324
UniProt ID:	P25054
Cytogenetics:	5q22.2
Domains:	Armadillo_seg
Protein Families:	Druggable Genome

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Protein Pathways:	Basal cell carcinoma, Colorectal cancer, Endometrial cancer, Pathways in cancer, Regulation of actin cytoskeleton, Wnt signaling pathway
MW:	311.5 kDa
Gene Summary:	This gene encodes a tumor suppressor protein that acts as an antagonist of the Wnt signaling pathway. It is also involved in other processes including cell migration and adhesion, transcriptional activation, and apoptosis. Defects in this gene cause familial adenomatous polyposis (FAP), an autosomal dominant pre-malignant disease that usually progresses to malignancy. Mutations in the APC gene have been found to occur in most colorectal cancers. Disease-associated mutations tend to be clustered in a small region designated the mutation cluster region (MCR) and result in a truncated protein product. [provided by RefSeq, Dec 2019]