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Product datasheet for RC209273L2V

Cullin 5 (CUL5) (NM_003478) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cullin 5 (CUL5) (NM_003478) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Cullin 5
Synonyms:	CUL-5; VACM-1; VACM1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_003478
ORF Size:	2340 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209273).
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_003478.3
RefSeq Size:	6408 bp
RefSeq ORF:	2343 bp
Locus ID:	8065
UniProt ID:	Q93034
Cytogenetics:	11q22.3
Domains:	CULLIN
Protein Families:	Druggable Genome

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Protein Pathways:	Ubiquitin mediated proteolysis
MW:	91 kDa
Gene Summary:	Core component of multiple SCF-like ECS (Elongin-Cullin 2/5-SOCS-box protein) E3 ubiquitin-protein ligase complexes, which mediate the ubiquitination and subsequent proteasomal degradation of target proteins. As a scaffold protein may contribute to catalysis through positioning of the substrate and the ubiquitin-conjugating enzyme. The functional specificity of the E3 ubiquitin-protein ligase complex depends on the variable substrate recognition component. ECS(SOCS1) seems to direct ubiquitination of JAK2. Seems to be involved in proteosomal degradation of p53/TP53 stimulated by adenovirus E1B-55 kDa protein. May form a cell surface vasopressin receptor.[UniProtKB/Swiss-Prot Function]