

Product datasheet for RC209273L2V

OriGene Technologies, Inc.

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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

The ORF insert of this clone is exactly the same as(RC209273).

Sequence:

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.

RefSeg: NM 003478.3

 RefSeq Size:
 6408 bp

 RefSeq ORF:
 2343 bp

 Locus ID:
 8065

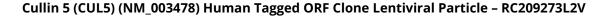
 UniProt ID:
 Q93034

 Cytogenetics:
 11q22.3

Domains: CULLIN

Protein Families: Druggable Genome





Protein Pathways: Ubiquitin mediated proteolysis

MW: 91 kDa

ORIGENE

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]