**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for RC202591L1V

## C16orf57 (USB1) (NM_024598) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | C16orf57 (USB1) (NM_024598) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | C16orf57 |
| **Synonyms:** | C16orf57; hUsb1; HVSL1; Mpn1; PN |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pLenti-C-Myc-DDK (PS100064) |
| **Tag:** | Myc-DDK |
| **ACCN:** | NM_024598 |
| **ORF Size:** | 795 bp |
| **ORF Nucleotide Sequence:** | `The ORF insert of this clone is exactly the same as(RC202591).` |
| **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_024598.2 |
| **RefSeq Size:** | 2287 bp |
| **RefSeq ORF:** | 798 bp |
| **Locus ID:** | 79650 |
| **UniProt ID:** | Q9BQ65 |
| **Cytogenetics:** | 16q21 |
| **MW:** | 30.3 kDa |

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**Gene Summary:** This gene encodes a protein with several conserved domains, however, its exact function is not known. Mutations in this gene are associated with poikiloderma with neutropenia (PN), which shows phenotypic overlap with Rothmund-Thomson syndrome (RTS) caused by mutations in the RECQL4 gene. It is believed that this gene product interacts with RECQL4 protein via SMAD4 proteins, explaining the partial clinical overlap between PN and RTS. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Mar 2011]