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# Product datasheet for RC226740L4V

## KCTD1 (NM_001136205) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | KCTD1 (NM_001136205) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | KCTD1 |
| **Synonyms:** | C18orf5 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **ACCN:** | NM_001136205 |
| **ORF Size:** | 771 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC226740). |
| **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_001136205.1, NP_001129677.1 |
| **RefSeq Size:** | 2174 bp |
| **RefSeq ORF:** | 774 bp |
| **Locus ID:** | 284252 |
| **UniProt ID:** | Q719H9 |
| **Cytogenetics:** | 18q11.2 |
| **Protein Families:** | Ion Channels: Other |
| **MW:** | 29.4 kDa |

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**Gene Summary:** This gene encodes a protein containing a BTB (Broad-complex, tramtrack and bric a brac), also known as a POZ (POxvirus and zinc finger) protein-protein interaction domain. The encoded protein negatively regulates the AP-2 family of transcription factors and the Wnt signaling pathway. A mechanism for the modulation of Wnt signaling has been proposed in which the encoded protein enhances ubiquitination and degradation of the beta-catenin protein. Mutations in this gene have been identified in Scalp-ear-nipple (SEN) syndrome. [provided by RefSeq, May 2017]

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