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# Product datasheet for RC204086L2V

## GNB1L (NM_053004) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | GNB1L (NM_053004) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | GNB1L |
| **Synonyms:** | DGCRK3; FKSG1; GY2; WDR14; WDVCF |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pLenti-C-mGFP (PS100071) |
| **Tag:** | mGFP |
| **ACCN:** | NM_053004 |
| **ORF Size:** | 981 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC204086). |
| **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_053004.2 |
| **RefSeq Size:** | 1537 bp |
| **RefSeq ORF:** | 984 bp |
| **Locus ID:** | 54584 |
| **UniProt ID:** | Q9BYB4 |
| **Cytogenetics:** | 22q11.21 |
| **Domains:** | WD40 |
| **Protein Families:** | Druggable Genome |

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**MW:** 35.4 kDa

**Gene Summary:** This gene encodes a G-protein beta-subunit-like polypeptide which is a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-asp (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. This protein contains 6 WD repeats and is highly expressed in the heart. The gene maps to the region on chromosome 22q11, which is deleted in DiGeorge syndrome, trisomic in derivative 22 syndrome and tetrasomic in cat-eye syndrome. Therefore, this gene may contribute to the etiology of those disorders. Transcripts from this gene share exons with some transcripts from the C22orf29 gene. [provided by RefSeq, Jul 2008]