

## Product datasheet for **RC230758L4V**

### DENND1B (NM\_001195216) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | DENND1B (NM_001195216) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | DENND1B  |
| Synonyms:                 | C1ORF18; C1orf218; FAM31B  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_001195216   |
| ORF Size:                 | 228 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC230758).   |
| 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. <a href="#">More info</a> |
| 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:                   | <a href="#">NM_001195216.1</a> , <a href="#">NP_001182145.1</a>  |
| RefSeq ORF:               | 231 bp   |
| Locus ID:                 | 163486   |
| UniProt ID:               | <a href="#">Q6P3S1</a>   |
| Cytogenetics:             | 1q31.3   |
| Protein Families:         | Transmembrane  |
| MW:                       | 44.98 kDa  |



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**Gene Summary:**

Clathrin (see MIM 118955)-mediated endocytosis is a major mechanism for internalization of proteins and lipids. Members of the connecdenn family, such as DENND1B, function as guanine nucleotide exchange factors (GEFs) for the early endosomal small GTPase RAB35 (MIM 604199) and bind to clathrin and clathrin adaptor protein-2 (AP2; see MIM 601024). Thus, connecdenns link RAB35 activation with the clathrin machinery (Marat and McPherson, 2010 [PubMed 20154091]).[supplied by OMIM, Nov 2010]