

## Product datasheet for **RR210709L4V**

### Dnal1 (NM\_001109477) Rat Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Dnal1 (NM_001109477) Rat Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | Dnal1  |
| Synonyms:                 | Dnalc1; LC1  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_001109477   |
| ORF Size:                 | 570 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RR210709).   |
| 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_001109477.2</a> , <a href="#">NP_001102947.2</a>  |
| RefSeq Size:              | 619 bp   |
| RefSeq ORF:               | 573 bp   |
| Locus ID:                 | 685664   |
| UniProt ID:               | <a href="#">A0A096MJZ0</a>   |
| Cytogenetics:             | 6q24   |



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**Gene Summary:**

Part of the multisubunit axonemal ATPase complexes that generate the force for cilia motility and govern beat frequency (By similarity). Component of the outer arm dynein (ODA). May be involved in a mechanosensory feedback mechanism controlling ODA activity based on external conformational cues by tethering the outer arm dynein heavy chain (DNAH5) to the microtubule within the axoneme (By similarity). Important for ciliary function in the airways and for the function of the cilia that produce the nodal flow essential for the determination of the left-right asymmetry (By similarity).[UniProtKB/Swiss-Prot Function]