

## Product datasheet for **RR205230L3V**

### **Cby1 (NM\_145676) Rat Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Cby1 (NM_145676) Rat Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | Cby1   |
| Synonyms:                 | Pgea1  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_145676  |
| ORF Size:                 | 381 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RR205230).   |
| 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_145676.1</a> , <a href="#">NP_663709.1</a>  |
| RefSeq Size:              | 472 bp   |
| RefSeq ORF:               | 384 bp   |
| Locus ID:                 | 246768   |
| UniProt ID:               | <a href="#">Q8K4I6</a>   |
| Cytogenetics:             | 7q34   |



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**Gene Summary:**

Inhibits the Wnt/Wingless pathway by binding to CTNNB1/beta-catenin and inhibiting beta-catenin-mediated transcriptional activation through competition with TCF/LEF transcription factors. Has also been shown to play a role in regulating the intracellular trafficking of polycystin-2/PKD2 and possibly of other intracellular proteins. Promotes adipocyte and cardiomyocyte differentiation.[UniProtKB/Swiss-Prot Function]