

## Product datasheet for **RC224268L3V**

### Phospholipase C beta 3 (PLCB3) (NM\_000932) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Phospholipase C beta 3 (PLCB3) (NM_000932) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | PLCB3  |
| Synonyms:                 | SMDCD  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_000932  |
| ORF Size:                 | 3702 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC224268).   |
| 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_000932.1</a> , <a href="#">NP_000923.1</a>  |
| RefSeq Size:              | 5728 bp  |
| RefSeq ORF:               | 3705 bp  |
| Locus ID:                 | 5331   |
| UniProt ID:               | <a href="#">Q01970</a>   |
| Cytogenetics:             | 11q13.1  |
| Protein Families:         | Druggable Genome   |



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**Protein Pathways:** Alzheimer's disease, Calcium signaling pathway, Chemokine signaling pathway, Gap junction, GnRH signaling pathway, Huntington's disease, Inositol phosphate metabolism, Long-term depression, Long-term potentiation, Melanogenesis, Metabolic pathways, Phosphatidylinositol signaling system, Vascular smooth muscle contraction, Wnt signaling pathway

**MW:** 138.8 kDa

**Gene Summary:** This gene encodes a member of the phosphoinositide phospholipase C beta enzyme family that catalyze the production of the secondary messengers diacylglycerol and inositol 1,4,5-triphosphate from phosphatidylinositol in G-protein-linked receptor-mediated signal transduction. Alternative splicing results in multiple transcript variants.[provided by RefSeq, May 2010]