

## Product datasheet for **RC205644L4V**

### FGD2 (NM\_173558) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | Lentiviral Particles                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Product Name:             | FGD2 (NM_173558) Human Tagged ORF Clone Lentiviral Particle                                                                                                                                                                                                                                                                                                                                                                                        |
| Symbol:                   | FGD2                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Synonyms:                 | ZFYVE4                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Mammalian Cell Selection: | Puromycin                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tag:                      | mGFP                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ACCN:                     | NM_173558                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORF Size:                 | 1965 bp                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC205644).                                                                                                                                                                                                                                                                                                                                                                                     |
| 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_173558.2</a> , <a href="#">NP_775829.1</a>                                                                                                                                                                                                                                                                                                                                                                                          |
| RefSeq Size:              | 3045 bp                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| RefSeq ORF:               | 1968 bp                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Locus ID:                 | 221472                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| UniProt ID:               | <a href="#">Q7Z6J4</a>                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Cytogenetics:             | 6p21.2                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| MW:                       | 74.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                           |


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**Gene Summary:**

The protein encoded by this gene belongs to a family of guanine nucleotide exchange factors (GEFs) which control cytoskeleton-dependent membrane rearrangements by activating the cell division cycle 42 (CDC42) protein. This gene is expressed in B lymphocytes, macrophages, and dendritic cells. The encoded protein may play a role in leukocyte signaling and vesicle trafficking in antigen-presenting cells in the immune system. [provided by RefSeq, Oct 2016]