

## Product datasheet for **RC222374L4V**

### NF2 (NM\_181825) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | NF2 (NM_181825) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | NF2  |
| Synonyms:                 | ACN; BANF; merlin-1; SCH   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_181825  |
| ORF Size:                 | 1770 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC222374).   |
| 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_181825.2</a>  |
| RefSeq Size:              | 3126 bp  |
| RefSeq ORF:               | 1773 bp  |
| Locus ID:                 | 4771   |
| UniProt ID:               | <a href="#">P35240</a>   |
| Cytogenetics:             | 22q12.2  |
| Protein Families:         | Druggable Genome   |
| MW:                       | 69.1 kDa   |



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**Gene Summary:**

This gene encodes a protein that is similar to some members of the ERM (ezrin, radixin, moesin) family of proteins that are thought to link cytoskeletal components with proteins in the cell membrane. This gene product has been shown to interact with cell-surface proteins, proteins involved in cytoskeletal dynamics and proteins involved in regulating ion transport. This gene is expressed at high levels during embryonic development; in adults, significant expression is found in Schwann cells, meningeal cells, lens and nerve. Mutations in this gene are associated with neurofibromatosis type II which is characterized by nervous system and skin tumors and ocular abnormalities. Two predominant isoforms and a number of minor isoforms are produced by alternatively spliced transcripts. [provided by RefSeq, Jul 2008]