

## Product datasheet for **RC222336L2V**

### Integrin beta 8 (ITGB8) (NM\_002214) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Integrin beta 8 (ITGB8) (NM_002214) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | ITGB8  |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-mGFP (PS100071)   |
| Tag:                      | mGFP   |
| ACCN:                     | NM_002214  |
| ORF Size:                 | 2307 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC222336).   |
| 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_002214.2</a>  |
| RefSeq Size:              | 8787 bp  |
| RefSeq ORF:               | 2310 bp  |
| Locus ID:                 | 3696   |
| UniProt ID:               | <a href="#">P26012</a>   |
| Cytogenetics:             | 7p21.1   |
| Domains:                  | INB, PSI   |
| Protein Families:         | Druggable Genome, Transmembrane  |



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|                          |   |
|--------------------------|---|
| <b>Protein Pathways:</b> | Arrhythmogenic right ventricular cardiomyopathy (ARVC), Cell adhesion molecules (CAMs), Dilated cardiomyopathy, ECM-receptor interaction, Focal adhesion, Hypertrophic cardiomyopathy (HCM), Regulation of actin cytoskeleton   |
| <b>MW:</b>               | 85.6 kDa  |
| <b>Gene Summary:</b>     | This gene is a member of the integrin beta chain family and encodes a single-pass type I membrane protein with a VWFA domain and four cysteine-rich repeats. This protein noncovalently binds to an alpha subunit to form a heterodimeric integrin complex. In general, integrin complexes mediate cell-cell and cell-extracellular matrix interactions and this complex plays a role in human airway epithelial proliferation. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized. [provided by RefSeq, Jul 2008] |