

## Product datasheet for **RC202001L2V**

### CD97 (ADGRE5) (NM\_001784) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | CD97 (ADGRE5) (NM_001784) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | CD97   |
| Synonyms:                 | CD97; TM7LN1   |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-mGFP (PS100071)   |
| Tag:                      | mGFP   |
| ACCN:                     | NM_001784  |
| ORF Size:                 | 2226 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC202001).   |
| 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_001784.3</a>  |
| RefSeq Size:              | 3221 bp  |
| RefSeq ORF:               | 2229 bp  |
| Locus ID:                 | 976  |
| UniProt ID:               | <a href="#">P48960</a>   |
| Cytogenetics:             | 19p13.12   |
| Domains:                  | GPS, 7tm_2, EGF_CA, EGF, EGF   |



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|--------------------------|--|
| <b>Protein Families:</b> | Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, GPCR, Secreted Protein, Transmembrane   |
| <b>MW:</b>               | 81.7 kDa   |
| <b>Gene Summary:</b>     | <p>This gene encodes a member of the EGF-TM7 subfamily of adhesion G protein-coupled receptors, which mediate cell-cell interactions. These proteins are cleaved by self-catalytic proteolysis into a large extracellular subunit and seven-span transmembrane subunit, which associate at the cell surface as a receptor complex. The encoded protein may play a role in cell adhesion as well as leukocyte recruitment, activation and migration, and contains multiple extracellular EGF-like repeats which mediate binding to chondroitin sulfate and the cell surface complement regulatory protein CD55. Expression of this gene may play a role in the progression of several types of cancer. Alternatively spliced transcript variants encoding multiple isoforms with 3 to 5 EGF-like repeats have been observed for this gene. This gene is found in a cluster with other EGF-TM7 genes on the short arm of chromosome 19. [provided by RefSeq, Jun 2011]</p> |