

## Product datasheet for **RC203040L4V**

### PIGP (NM\_153682) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | PIGP (NM_153682) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | PIGP   |
| Synonyms:                 | DCRC; DCRC-S; DEE55; DSCR5; DSRC; EIEE55; PIG-P  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_153682  |
| ORF Size:                 | 402 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC203040).   |
| 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_153682.2</a>  |
| RefSeq Size:              | 804 bp   |
| RefSeq ORF:               | 405 bp   |
| Locus ID:                 | 51227  |
| UniProt ID:               | <a href="#">P57054</a>   |
| Cytogenetics:             | 21q22.13   |
| Protein Families:         | Transmembrane  |
| Protein Pathways:         | Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, Metabolic pathways  |



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**MW:** 15.4 kDa

**Gene Summary:** This gene encodes an enzyme involved in the first step of glycosylphosphatidylinositol (GPI)-anchor biosynthesis. The GPI-anchor is a glycolipid found on many blood cells that serves to anchor proteins to the cell surface. The encoded protein is a component of the GPI-N-acetylglucosaminyltransferase complex that catalyzes the transfer of N-acetylglucosamine (GlcNAc) from UDP-GlcNAc to phosphatidylinositol (PI). This gene is located in the Down Syndrome critical region on chromosome 21 and is a candidate for the pathogenesis of Down syndrome. This gene has multiple pseudogenes and is a member of the phosphatidylinositol glycan anchor biosynthesis gene family. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Feb 2016]