

## Product datasheet for **RC205940L4V**

### ERp57 (PDIA3) (NM\_005313) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | ERp57 (PDIA3) (NM_005313) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | ERp57  |
| Synonyms:                 | ER60; ERp57; ERp60; ERp61; GRP57; GRP58; HEL-S-93n; HEL-S-269; HsT17083; P58; PI-PLC   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_005313  |
| ORF Size:                 | 1515 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC205940).   |
| 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_005313.4</a>  |
| RefSeq Size:              | 3060 bp  |
| RefSeq ORF:               | 1518 bp  |
| Locus ID:                 | 2923   |
| UniProt ID:               | <a href="#">P30101</a>   |
| Cytogenetics:             | 15q15.3  |
| Domains:                  | thioered   |
| Protein Families:         | Druggable Genome   |



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**Protein Pathways:** Antigen processing and presentation

**MW:** 56.78 kDa

**Gene Summary:** This gene encodes a protein of the endoplasmic reticulum that interacts with lectin chaperones calreticulin and calnexin to modulate folding of newly synthesized glycoproteins. The protein was once thought to be a phospholipase; however, it has been demonstrated that the protein actually has protein disulfide isomerase activity. It is thought that complexes of lectins and this protein mediate protein folding by promoting formation of disulfide bonds in their glycoprotein substrates. This protein also functions as a molecular chaperone that prevents the formation of protein aggregates. [provided by RefSeq, Dec 2016]