

## Product datasheet for **RC201622L2V**

### TTI1 (NM\_014657) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | Lentiviral Particles                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Product Name:             | TTI1 (NM_014657) Human Tagged ORF Clone Lentiviral Particle                                                                                                                                                                                                                                                                                                                                                                                        |
| Symbol:                   | TTI1                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Synonyms:                 | KIAA0406; smg-10                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Mammalian Cell Selection: | None                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Vector:                   | pLenti-C-mGFP (PS100071)                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tag:                      | mGFP                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ACCN:                     | NM_014657                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORF Size:                 | 3267 bp                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC201622).                                                                                                                                                                                                                                                                                                                                                                                     |
| 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_014657.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                        |
| RefSeq Size:              | 3931 bp                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| RefSeq ORF:               | 3270 bp                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Locus ID:                 | 9675                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| UniProt ID:               | <a href="#">O43156</a>                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Cytogenetics:             | 20q11.23                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| MW:                       | 122.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                          |



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**Gene Summary:**

Regulator of the DNA damage response (DDR). Part of the TTT complex that is required to stabilize protein levels of the phosphatidylinositol 3-kinase-related protein kinase (PIKK) family proteins. The TTT complex is involved in the cellular resistance to DNA damage stresses, like ionizing radiation (IR), ultraviolet (UV) and mitomycin C (MMC). Together with the TTT complex and HSP90 may participate in the proper folding of newly synthesized PIKKs. Promotes assembly, stabilizes and maintains the activity of mTORC1 and mTORC2 complexes, which regulate cell growth and survival in response to nutrient and hormonal signals. [UniProtKB/Swiss-Prot Function]