

## Product datasheet for **RC201727L3V**

### **XTP3TPA (DCTPP1) (NM\_024096) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | XTP3TPA (DCTPP1) (NM_024096) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | XTP3TPA  |
| Synonyms:                 | CDA03; RS21C6; XTP3TPA   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_024096  |
| ORF Size:                 | 510 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC201727).   |
| 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_024096.1</a>  |
| RefSeq Size:              | 1143 bp  |
| RefSeq ORF:               | 513 bp   |
| Locus ID:                 | 79077  |
| UniProt ID:               | <a href="#">Q9H773</a>   |
| Cytogenetics:             | 16p11.2  |
| Protein Families:         | Stem cell - Pluripotency   |
| MW:                       | 18.7 kDa   |



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**Gene Summary:**

The protein encoded by this gene is dCTP pyrophosphatase, which converts dCTP to dCMP and inorganic pyrophosphate. The encoded protein also displays weak activity against dTTP and dATP, but none against dGTP. This protein may be responsible for eliminating excess dCTP after DNA synthesis and may prevent overmethylation of CpG islands. Three transcript variants, one protein-coding and the other two non-protein coding, have been found for this gene. [provided by RefSeq, Dec 2015]