**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for RC218032L3V

## TXNDC5 (NM_030810) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | TXNDC5 (NM_030810) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | TXNDC5 |
| **Synonyms:** | ENDOPDI; ERP46; HCC-2; HCC2; PDIA15; STRF8; UNQ364 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| **Tag:** | Myc-DDK |
| **ACCN:** | NM_030810 |
| **ORF Size:** | 1296 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC218032). |
| **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. More info |
| **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:** | NM_030810.2 |
| **RefSeq Size:** | 2970 bp |
| **RefSeq ORF:** | 1299 bp |
| **Locus ID:** | 81567 |
| **UniProt ID:** | Q8NBS9 |
| **Cytogenetics:** | 6p24.3 |
| **Domains:** | thiored |
| **Protein Families:** | Druggable Genome |

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**MW:** 44.4 kDa

**Gene Summary:** This gene encodes a member of the disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins that catalyze protein folding and thiol-disulfide interchange reactions. The encoded protein has an N-terminal endoplasmic reticulum (ER)-signal sequence, three catalytically active thioredoxin domains and a C-terminal ER-retention sequence. Its expression is induced by hypoxia and its role may be to protect hypoxic cells from apoptosis. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the neighboring upstream BLOC1S5 gene. [provided by RefSeq, Dec 2016]